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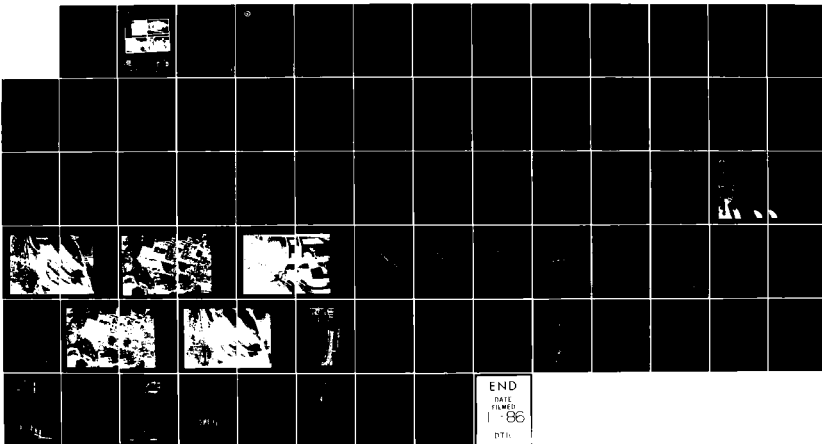
STE GENEVIEVE MISSOURI FEASIBILITY REPORT (FLOOD
CONTROL STUDY FOR HISTOR..(U) ARMY ENGINEER DISTRICT ST
LOUIS MO J ZEREGA ET AL. JUN 84

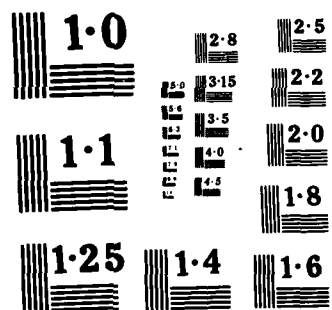
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STE. GENEVIEVE, MISSOURI FEASIBILITY REPORT

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AD-A161 288



FLOOD CONTROL STUDY FOR HISTORIC STE. GENEVIEVE — 80061

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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
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4. TITLE (and Subtitle) Ste. Genevieve, Missouri Feasibility Report (Flood Control Study For Historic Ste. Genevieve - 80061) Vol. 3, Plates for Appendices		5. TYPE OF REPORT & PERIOD COVERED Feasibility Report
7. AUTHOR(s) James Zerega David Gates George Knight Daniel Marshall John Brady Dennis Woodruff		6. CONTRACT OR GRANT NUMBER(s) Not Applicable
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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) Report addresses the feasibility of Federal participation in a flood protection project for the historic community of Ste. Genevieve, Missouri. The town was founded in the 1700's by French colonists. Much of the community has been designated a Registered National Historic Landmark. Flooding is primarily from the Mississippi River. The proposed plan includes a major levee and pump station, tributary channel widening and other features, and costs \$33,580,000 at October 1984 price levels. Benefits include historic preservation and reduction in flood damages.		



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
ST. LOUIS DISTRICT, CORPS OF ENGINEERS
210 TUCKER BOULEVARD, NORTH
ST. LOUIS, MISSOURI 63101

**STE. GENEVIEVE, MISSOURI
FEASIBILITY REPORT**

**FLOOD CONTROL STUDY
FOR HISTORIC STE. GENEVIEVE - 80061**

**VOLUME THREE
PLATES FOR APPENDICES**

June 1984

**U.S. Army Corps of Engineers
St. Louis District
Lower Mississippi Valley Division**

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Unannounced	<input type="checkbox"/>
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STE. GENEVIEVE, MISSOURI

FEASIBILITY REPORT

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- Final Environmental Impact Statement
- Public Views and Responses

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- Appendix B - Public Views and Responses
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STE. GENEVIEVE, MISSOURI

FEASIBILITY REPORT

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STE. GENEVIEVE, MISSOURI

FEASIBILITY REPORT

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STE. GENEVIEVE, MISSOURI

FEASIBILITY REPORT

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STE. GENEVIEVE, MISSOURI

FEASIBILITY REPORT

VOLUME THREE

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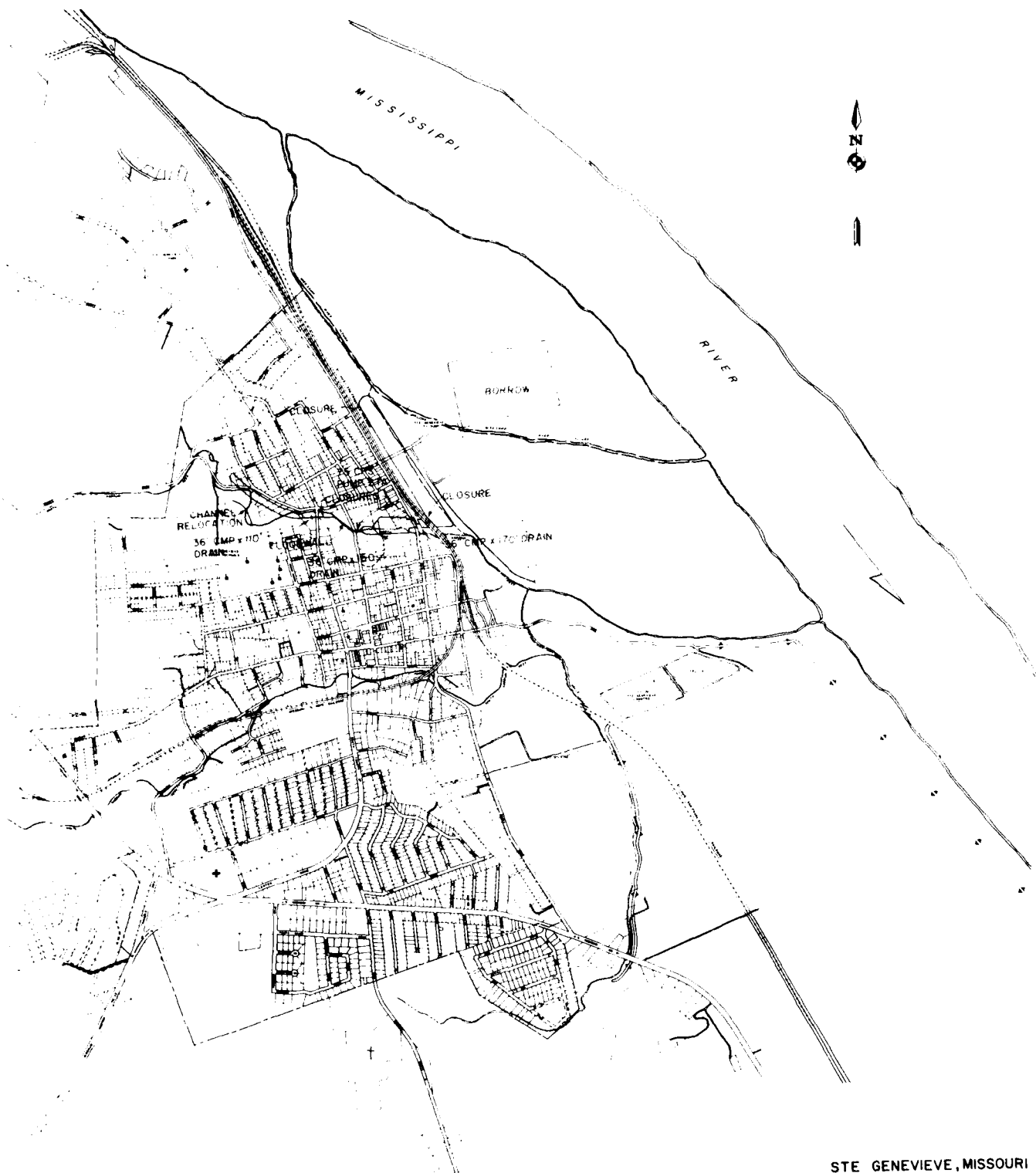
STE GENEVIEVE, MISSOURI
MEASURE 1

400 0 800 1600
SCALE IN FEET



STE GENEVIEVE, MISSOURI
MEASURE 2

400 0 800 1600
SCALE IN FEET



STE GENEVIEVE, MISSOURI
MEASURE 3

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SCALE IN FEET



STE GENEVIEVE, MISSOURI
MEASURE 4

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SCALE IN FEET



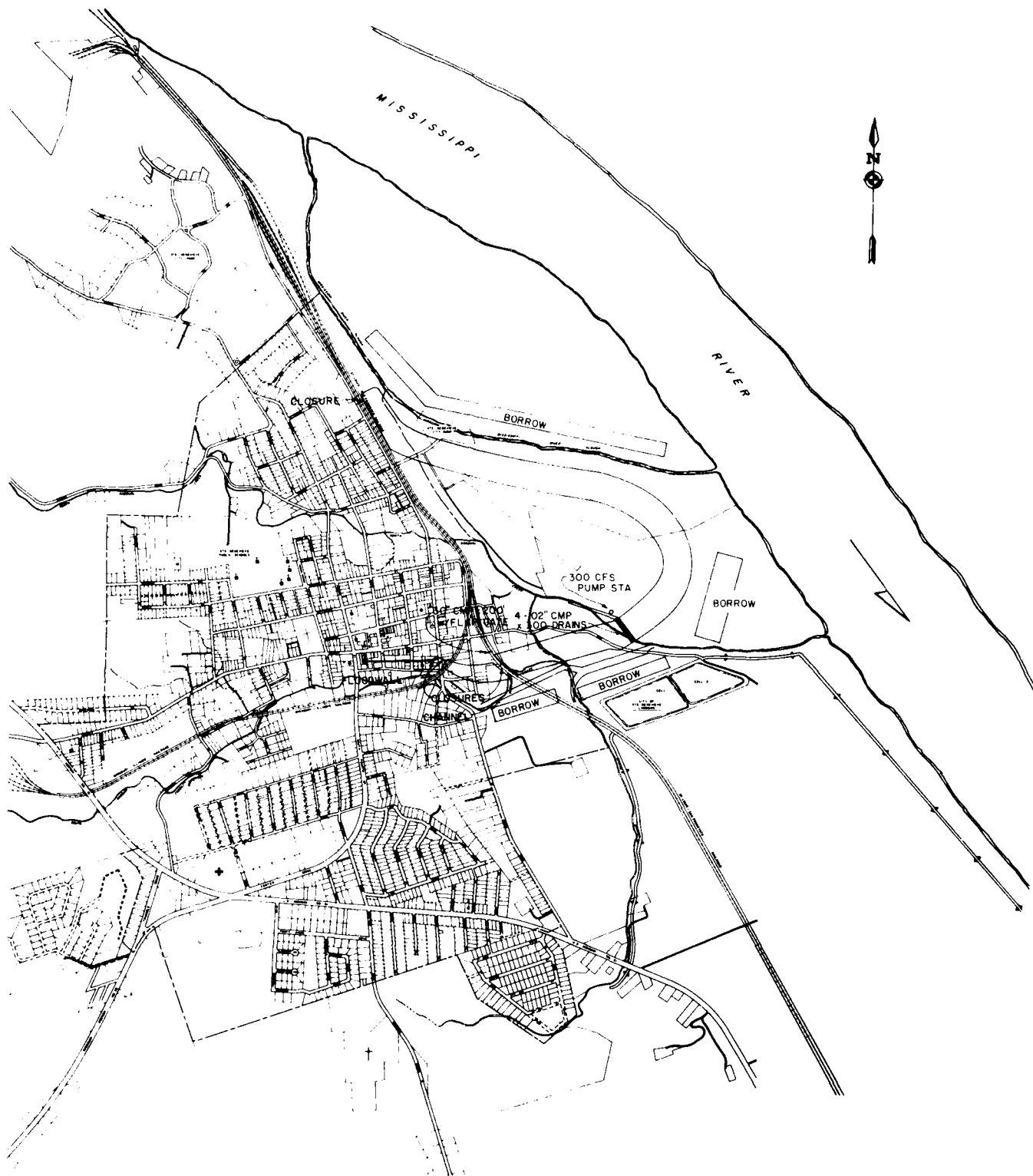
STE GENEVIEVE, MISSOURI
MEASURE 5

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SCALE IN FEET



STE GENEVIEVE, MISSOURI
MEASURE 6

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SCALE IN FEET



STE GENEVIEVE, MISSOURI
MEASURE 7

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SCALE IN FEET



STE GENEVIEVE, MISSOURI
MEASURE 8



■ DEMOLISHED STRUCTURES
● RELOCATED STRUCTURES

STE GENEVIEVE, MISSOURI
MEASURE 20

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SCALE IN FEET

PLATE A-9



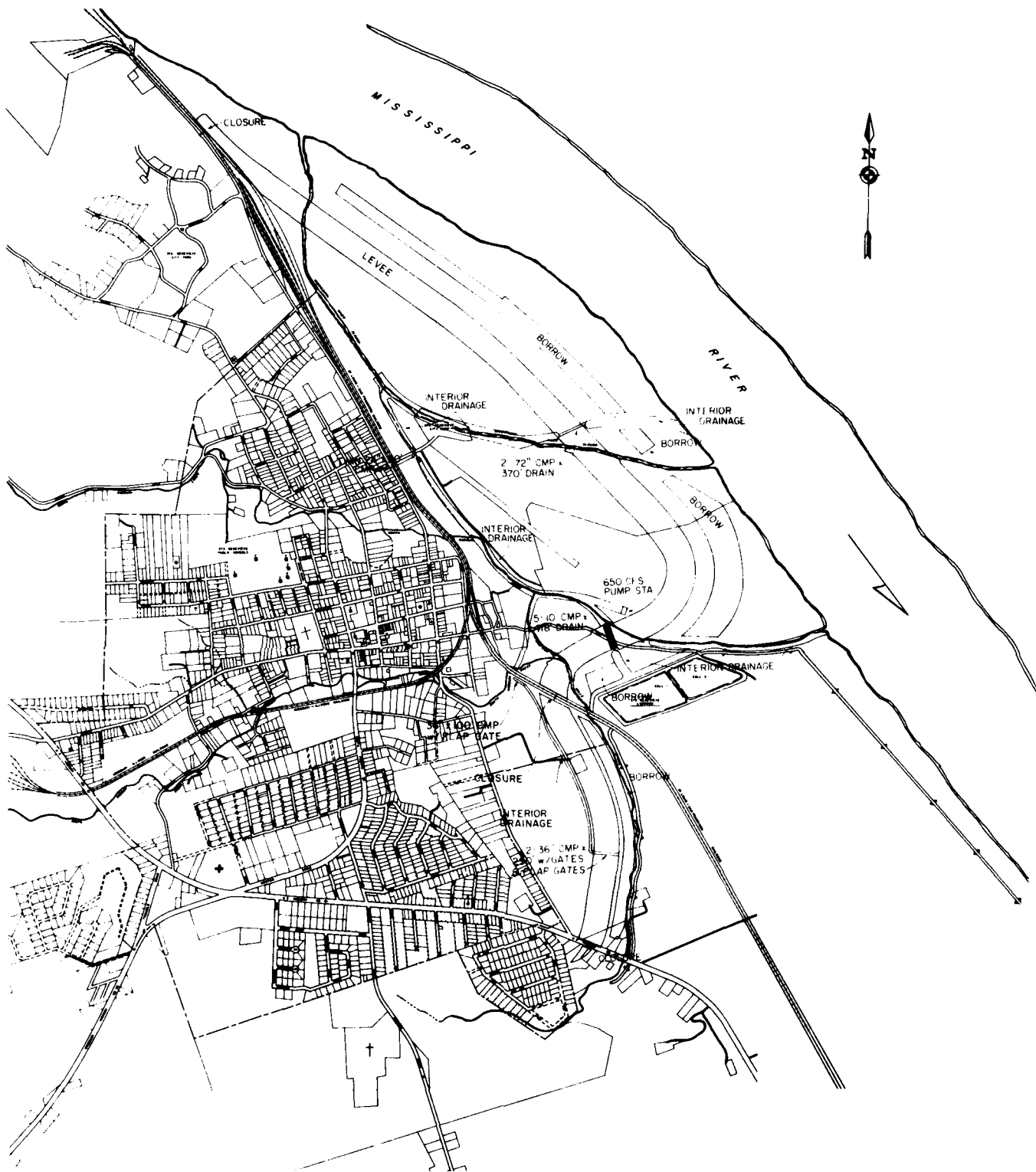
LEGEND

• HISTORIC STRUCTURES TO BE
RELOCATED

STE. GENEVIEVE, MISSOURI
MEASURE 21

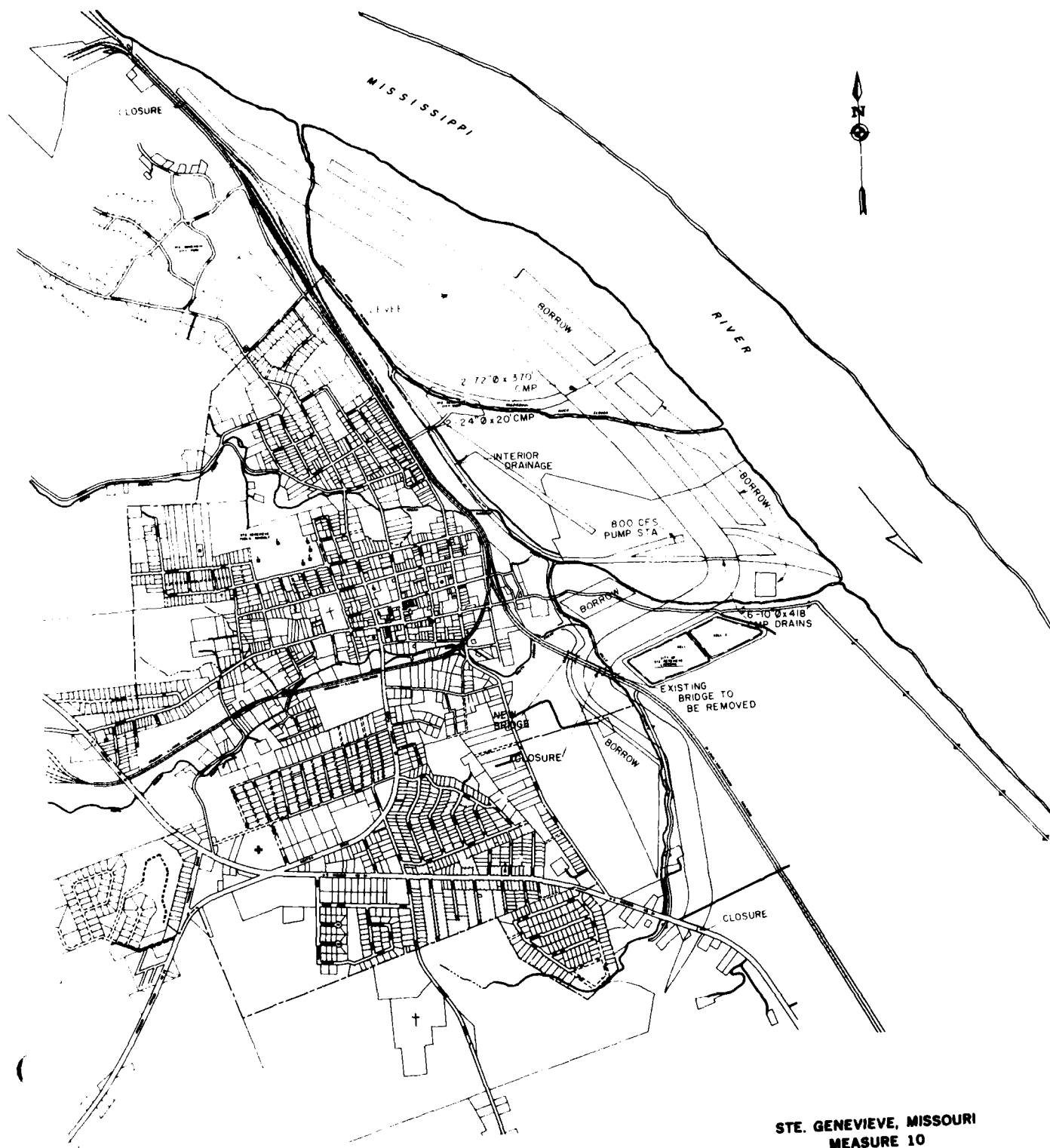
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PLATE A-10



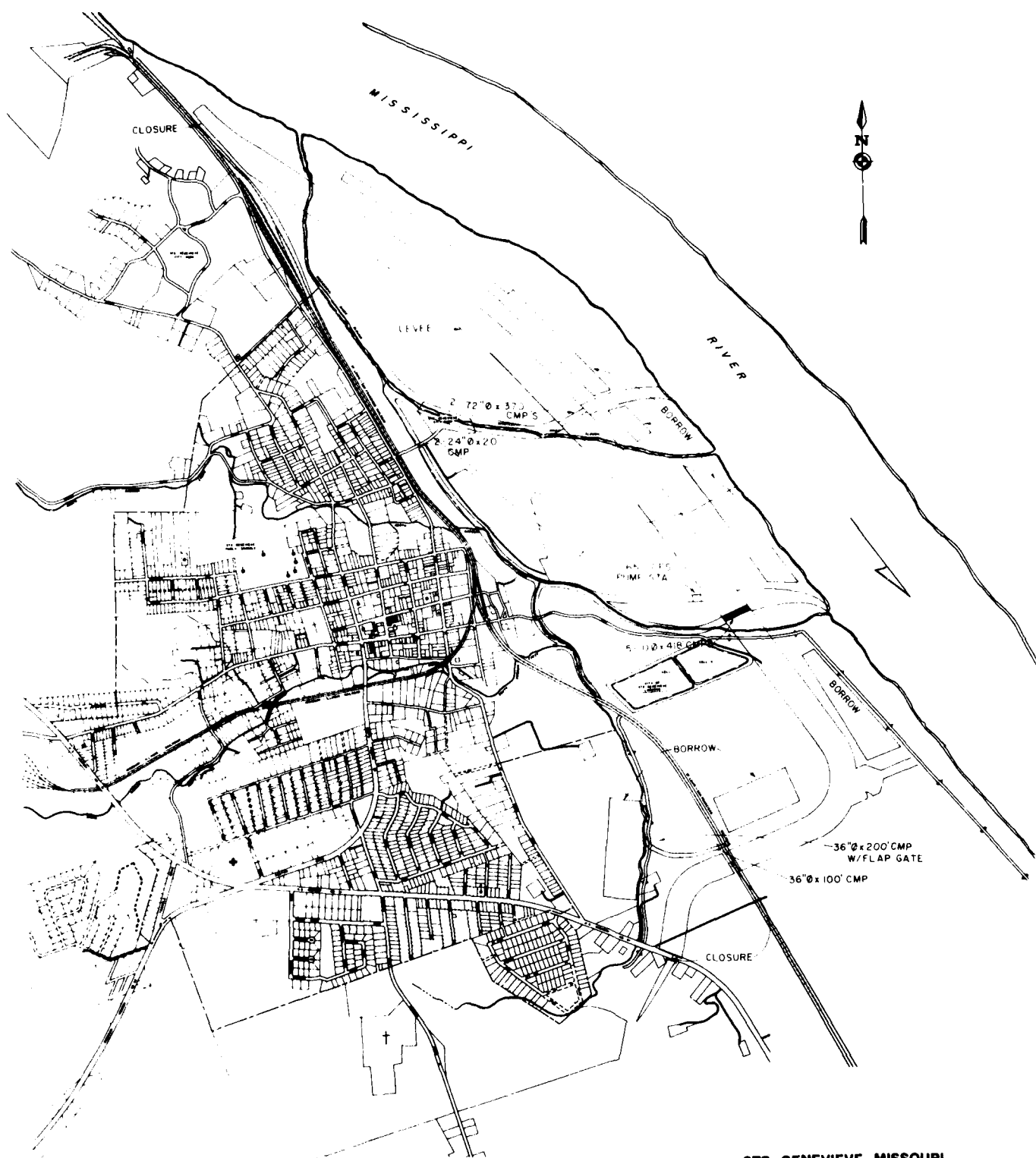
STE. GENEVIEVE, MISSOURI
MEASURE 9

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SCALE IN FEET



STE. GENEVIEVE, MISSOURI
MEASURE 10

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SCALE IN FEET

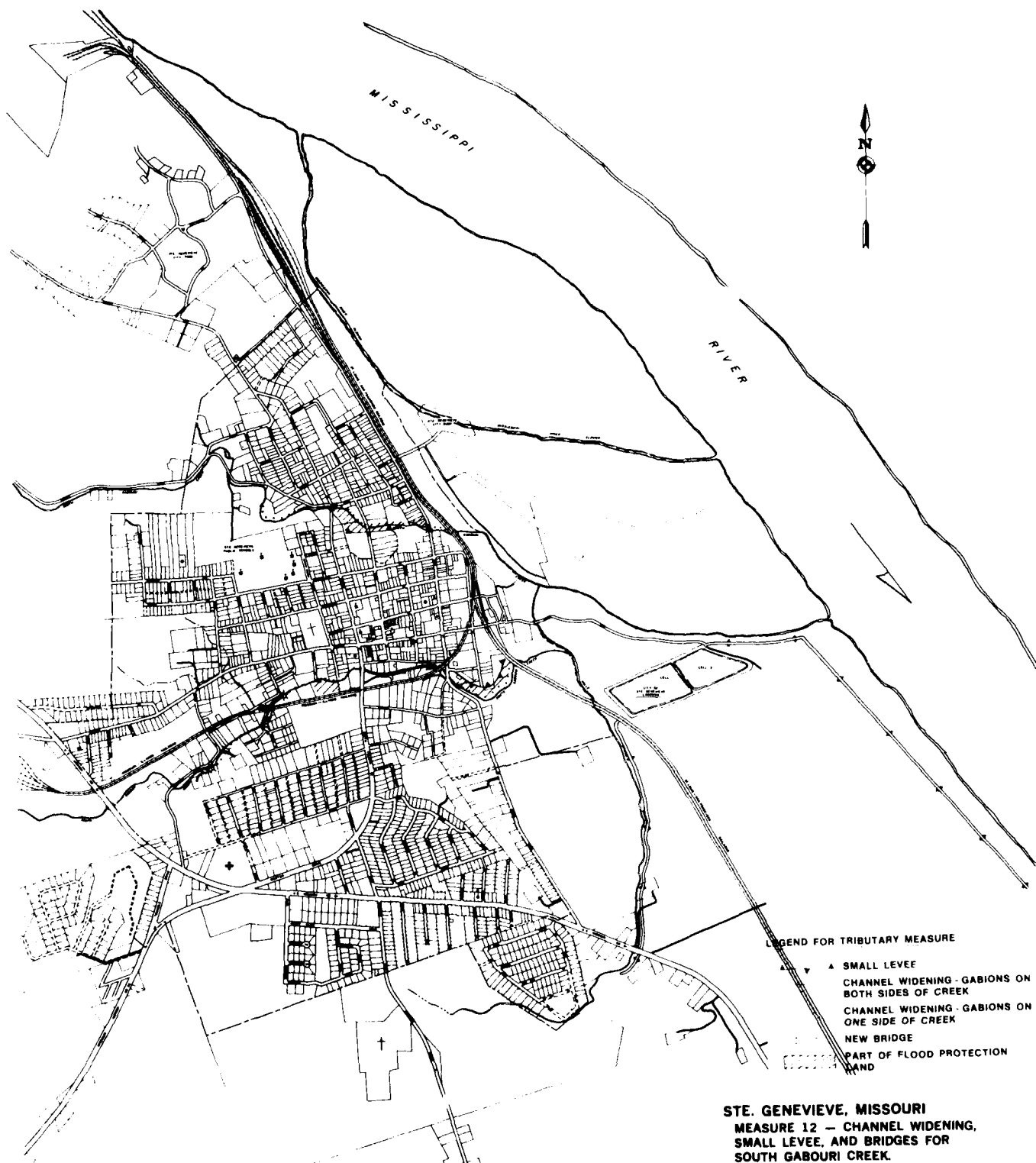


STE. GENEVIEVE, MISSOURI
MEASURE 11

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SCALE IN FEET



STE GENEVIEVE, MISSOURI
MEASURE 18 (SOUTH GABOURI CREEK)
MEASURE 19 (NORTH GABOURI CREEK)



LEGEND FOR TRIBUTARY MEASURE

- A SMALL LEVEE
- CHANNEL WIDENING - GABIONS ON BOTH SIDES OF CREEK
- CHANNEL WIDENING - GABIONS ON ONE SIDE OF CREEK
- NEW BRIDGE
- PART OF FLOOD PROTECTION LAND

STE. GENEVIEVE, MISSOURI

MEASURE 12 - CHANNEL WIDENING, SMALL LEVEE, AND BRIDGES FOR SOUTH GABOURI CREEK.

MEASURE 13 - CHANNEL WIDENING, SMALL LEVEE, AND BRIDGES FOR NORTH GABOURI CREEK

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SCALE IN FEET



STE. GENEVIEVE, MISSOURI
MEASURE 22

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PLATE A-16

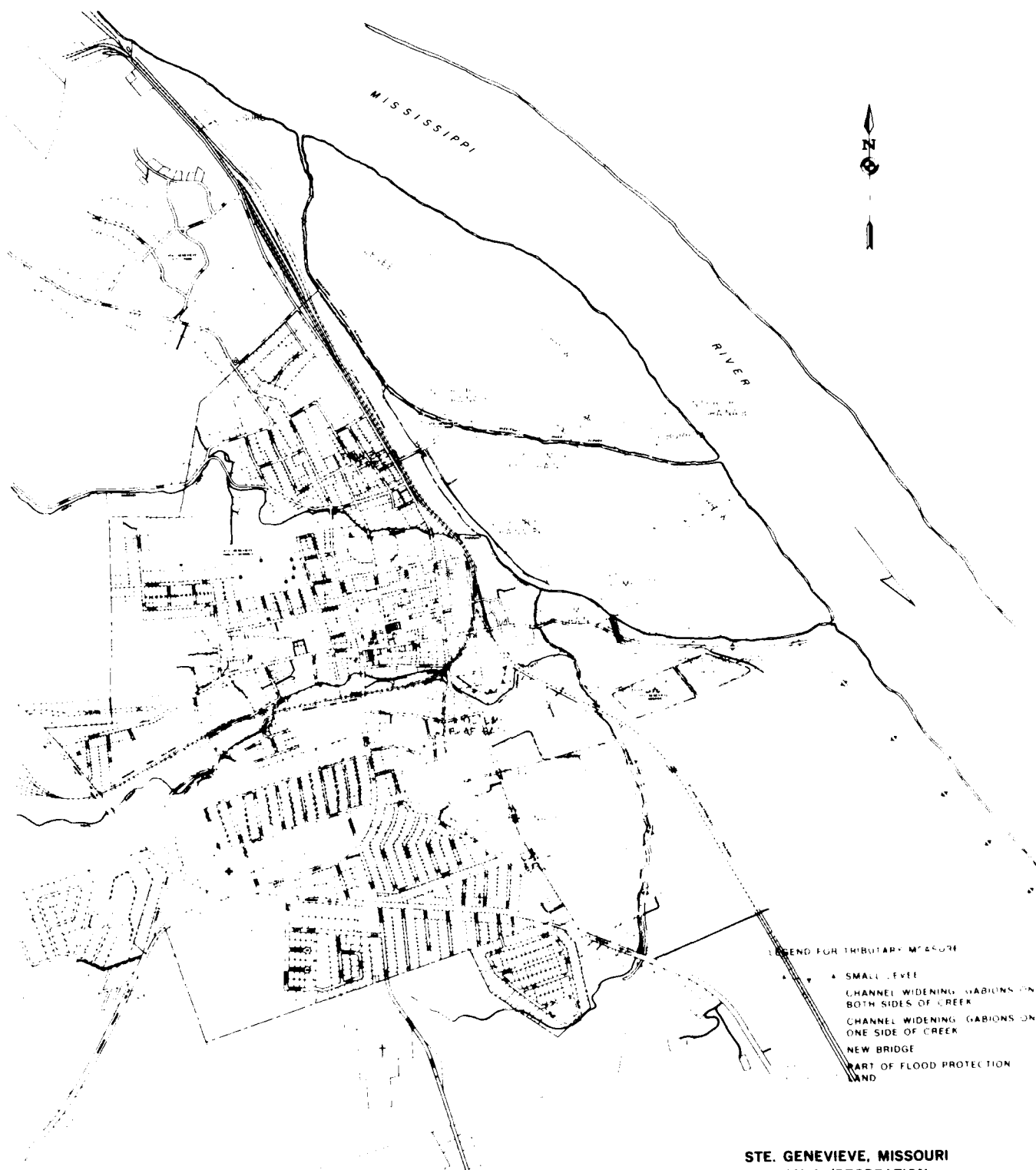
NOTE RECREATION FACILITIES SHOWN ON MAP
ALL RECREATION FACILITIES ARE ON
FLOOD CONTROL LANDS



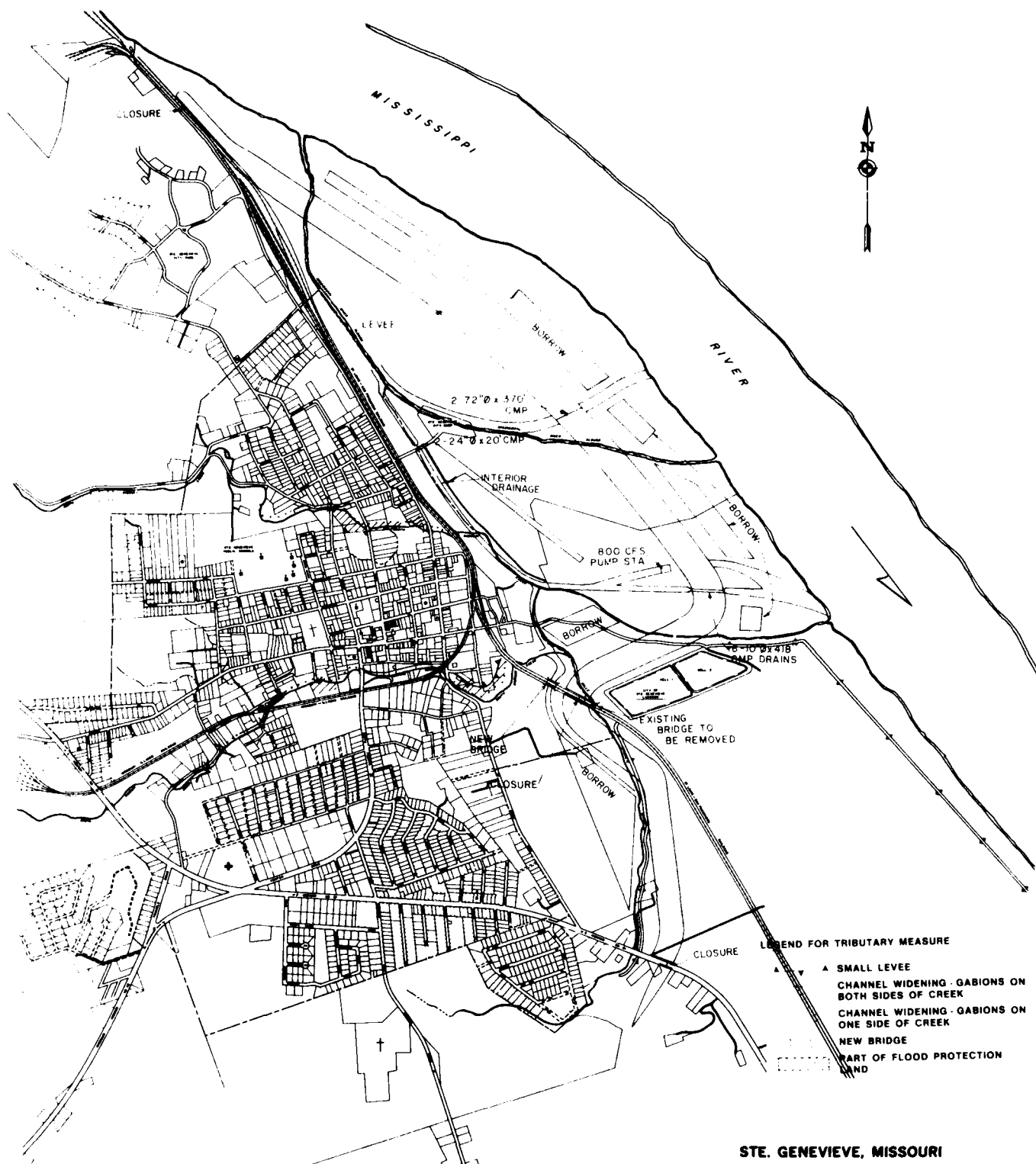
STE GENEVIEVE, MISSOURI
MEASURE 16

400 0 800 1600
SCALE IN FEET

PLATE A-17

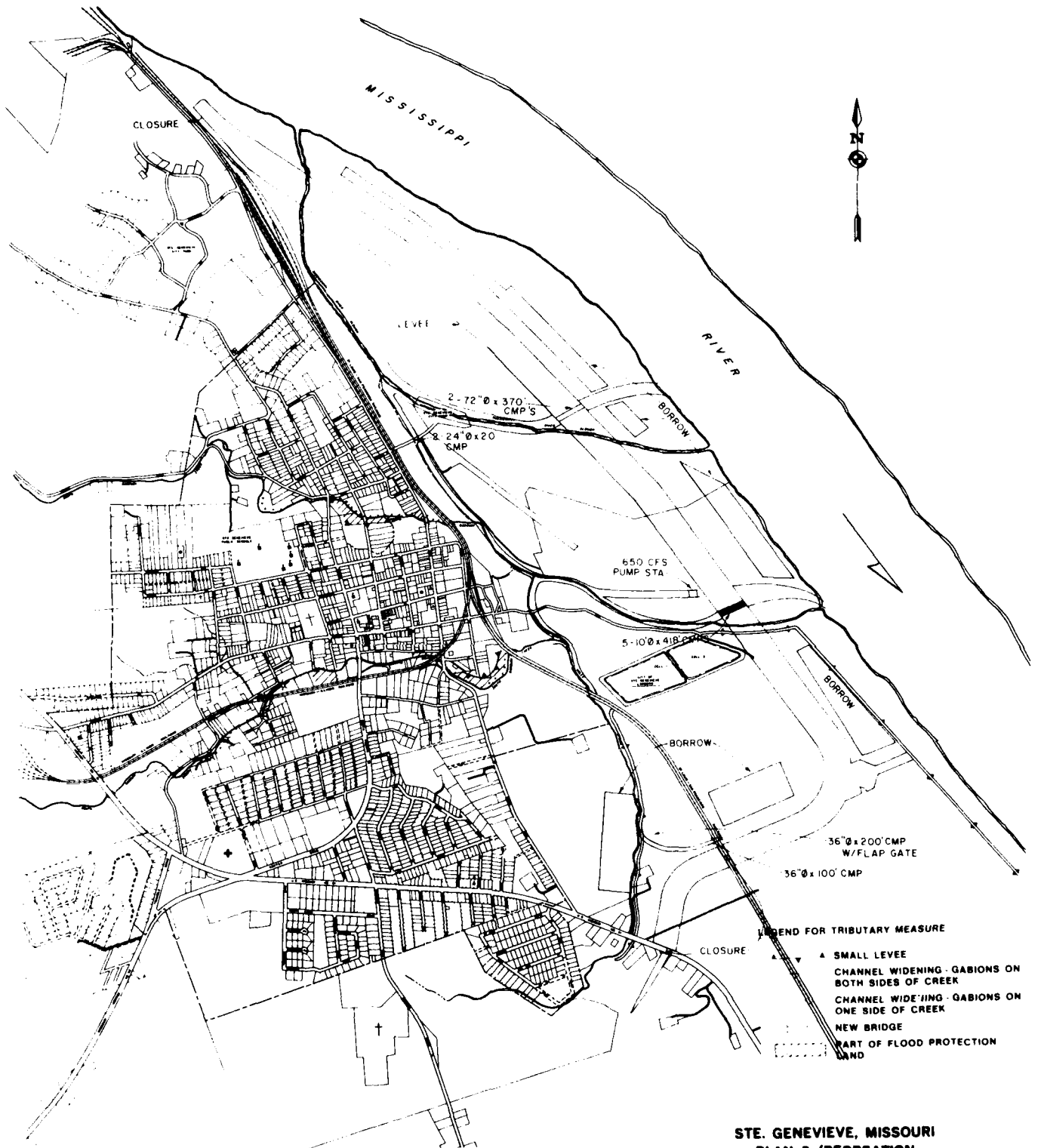


STE. GENEVIEVE, MISSOURI
PLAN 1 (RECREATION
FACILITIES NOT SHOWN)



STE. GENEVIEVE, MISSOURI
PLAN 2 (RECREATION
FACILITIES NOT SHOWN)

400 0 800 1600
SCALE IN FEET

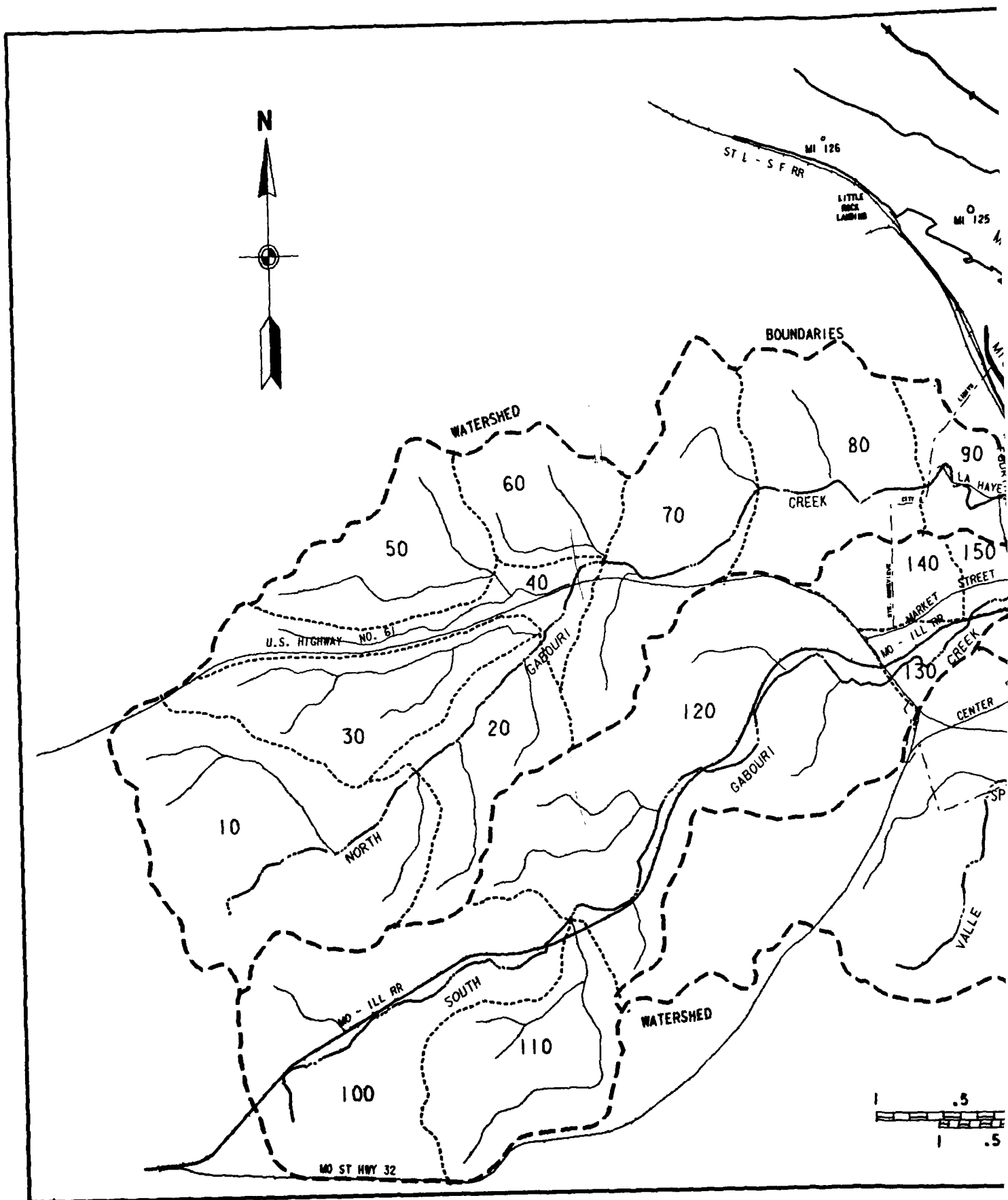


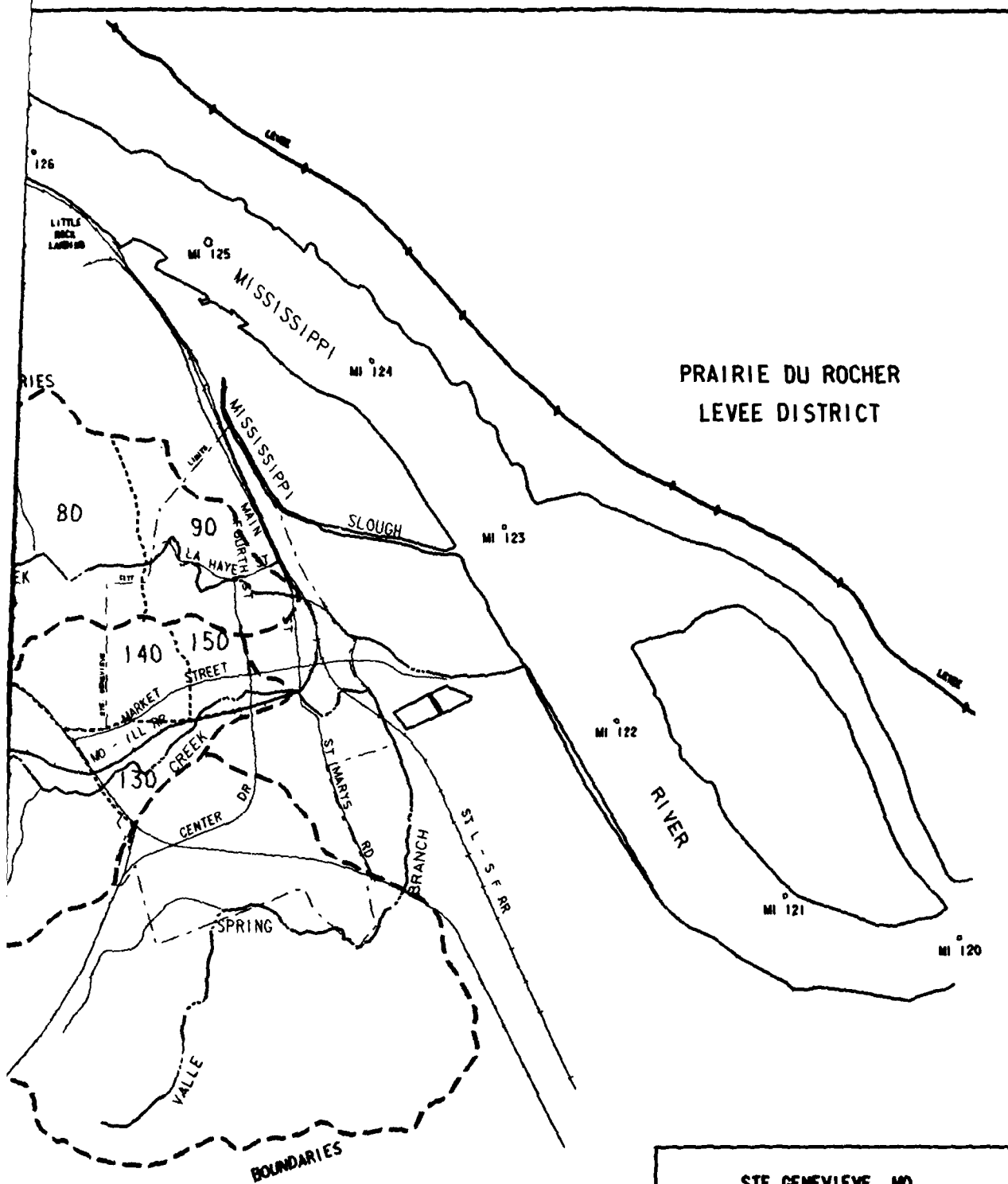
**STE. GENEVIEVE, MISSOURI
PLAN 3 (RECREATION
FACILITIES NOT SHOWN)**

400 0 800 1600
SCALE IN FEET



STE. GENEVIEVE, MISSOURI
PLAN 4





PRAIRIE DU ROCHER
LEVEE DISTRICT

STE GENEVIEVE, MO.

BASIN MAP

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS

CORPS OF ENGINEERS

ST. LOUIS, MO.

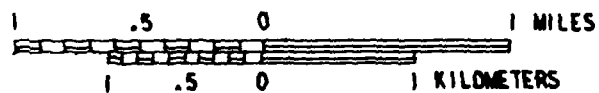
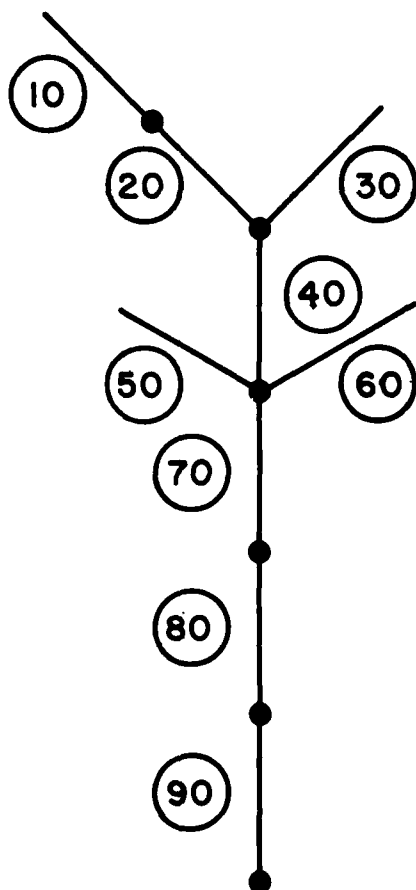
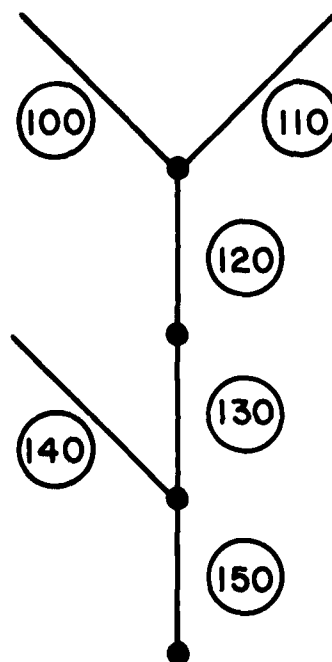


PLATE C-1

2



NORTH GABOURI CREEK



SOUTH GABOURI CREEK

LEGEND



SUBAREA NO.



ROUTING REACH

STE. GENEVIEVE, MISSOURI
HEC-1 SCHEMATIC
NORTH AND SOUTH GABOURI CREEK BASINS
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

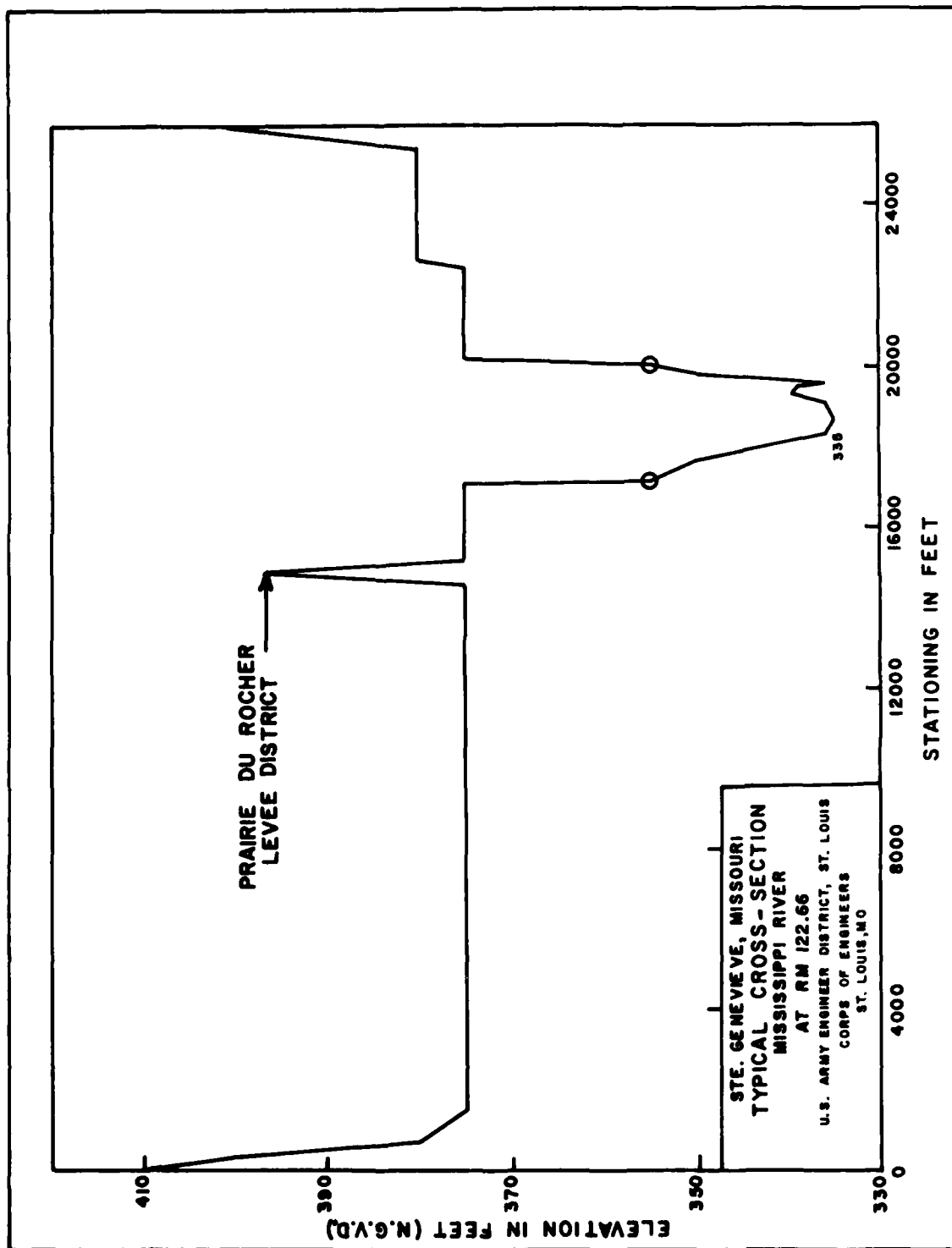


PLATE C-3

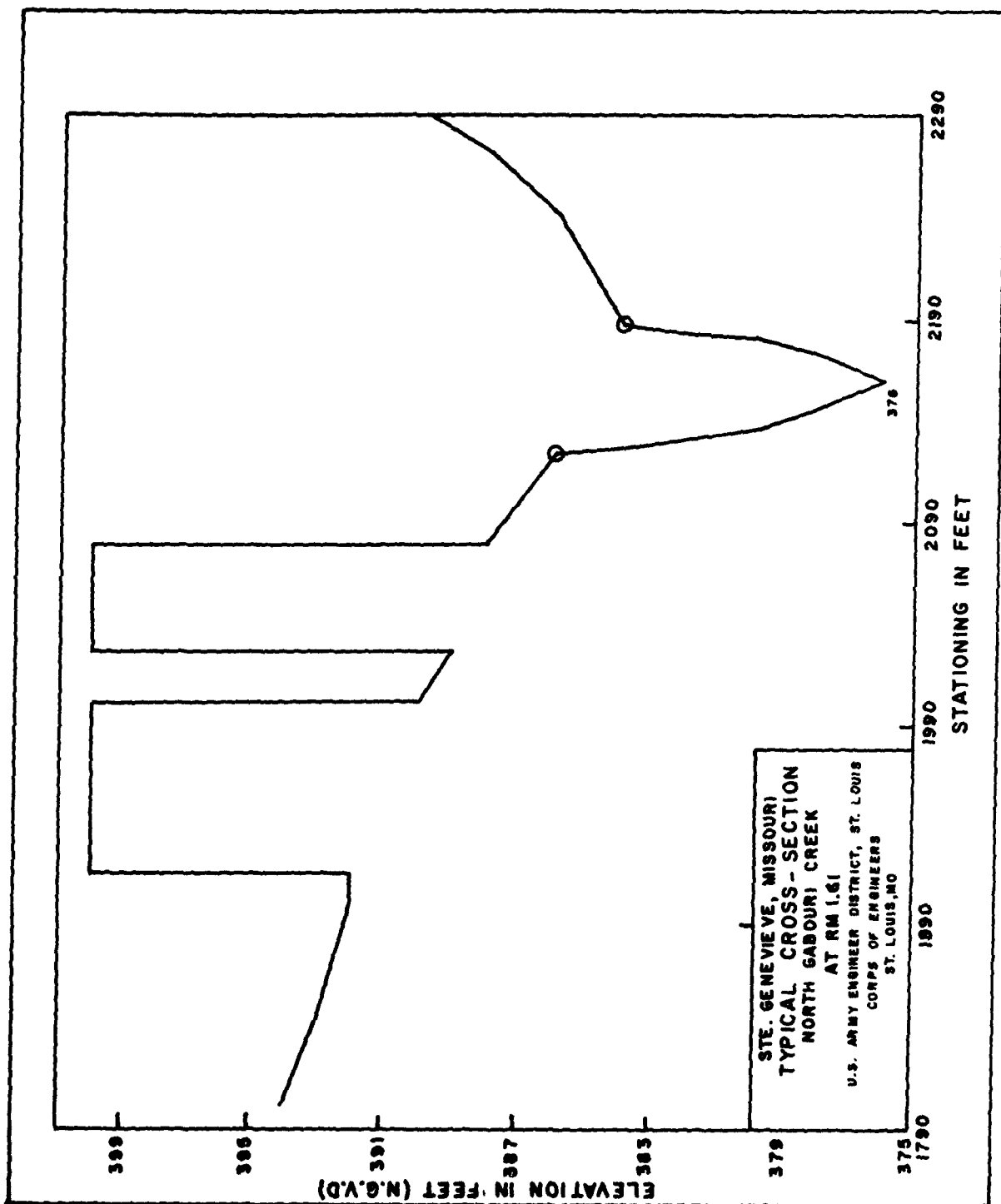


PLATE C-4

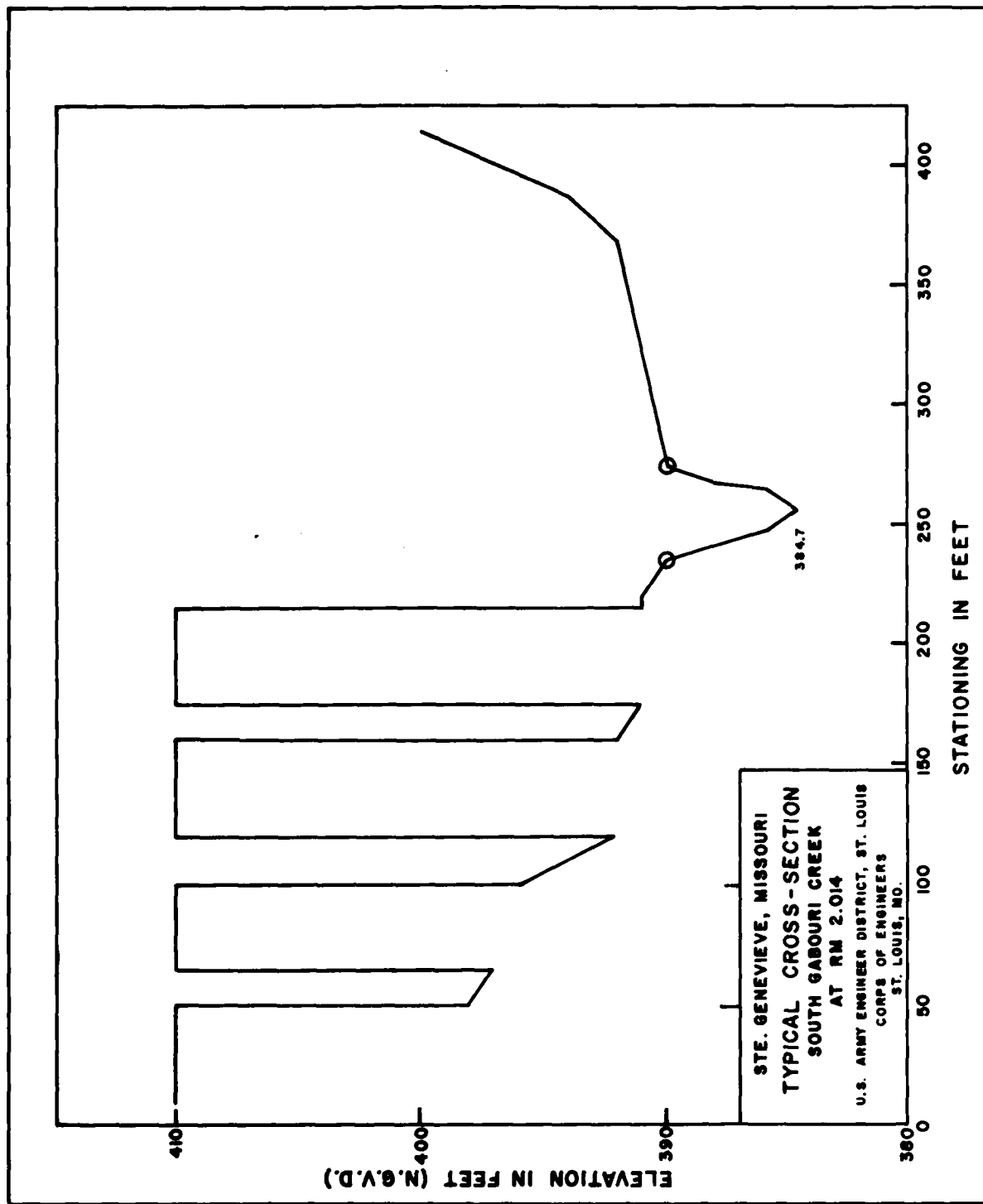
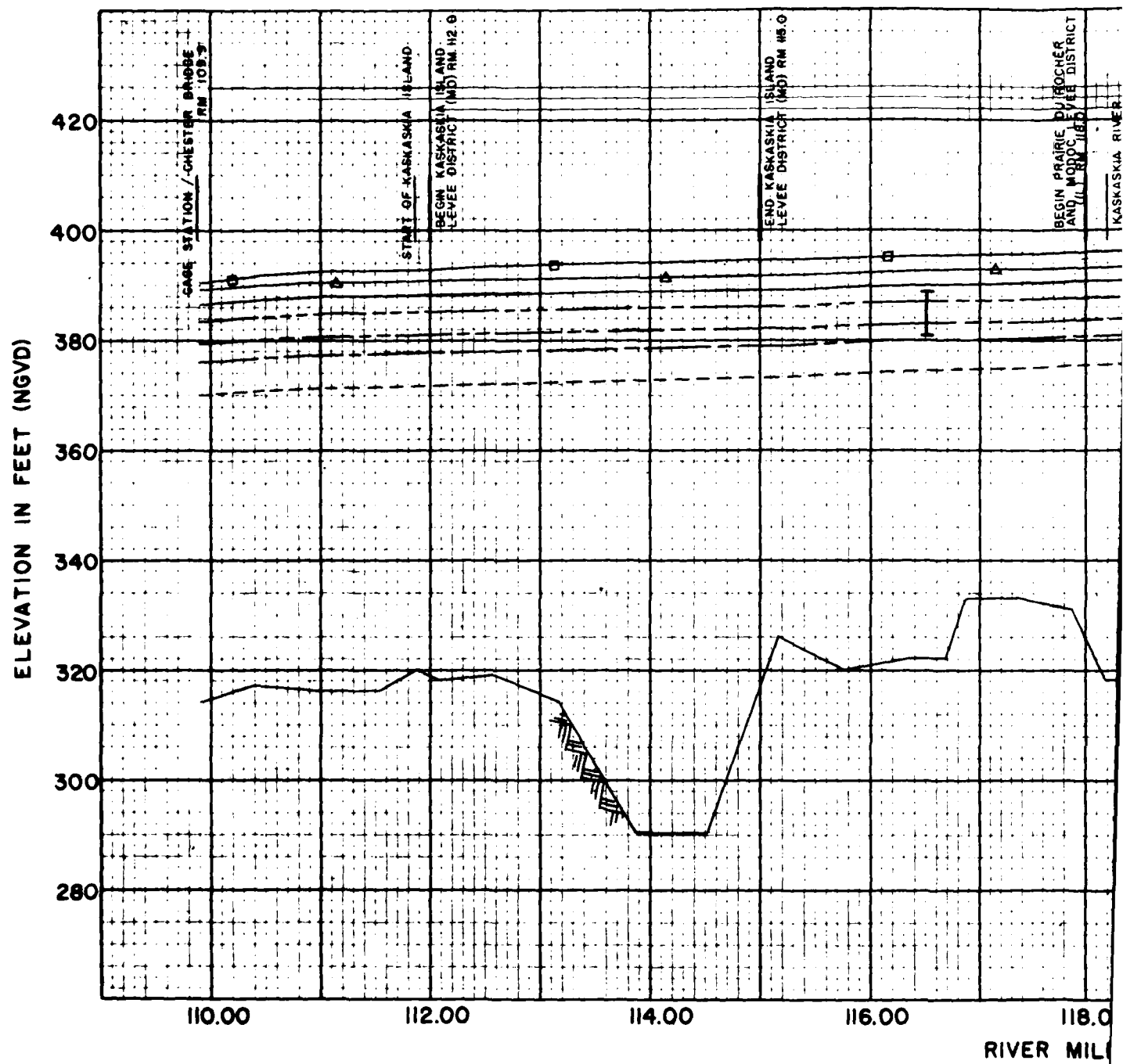
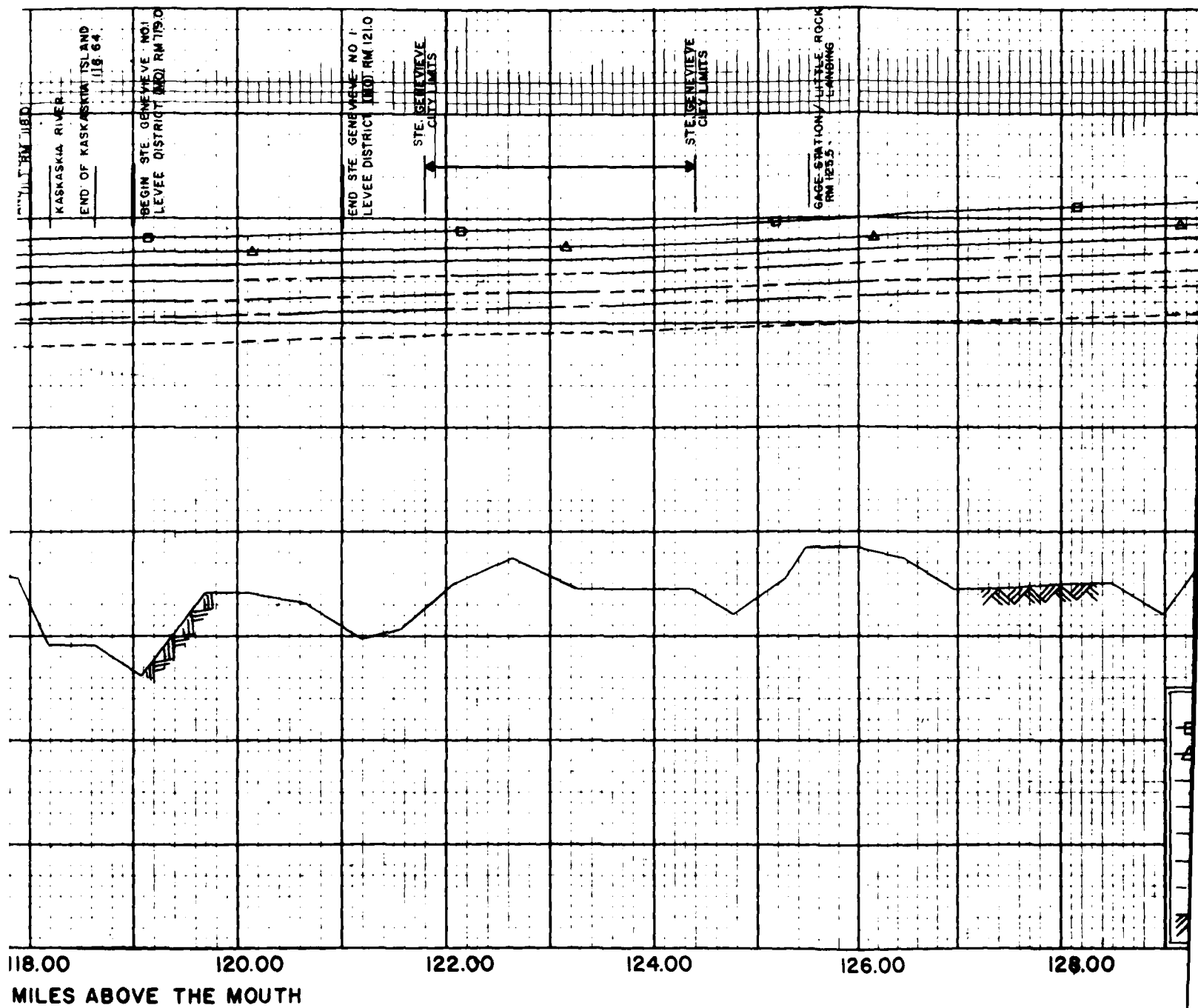


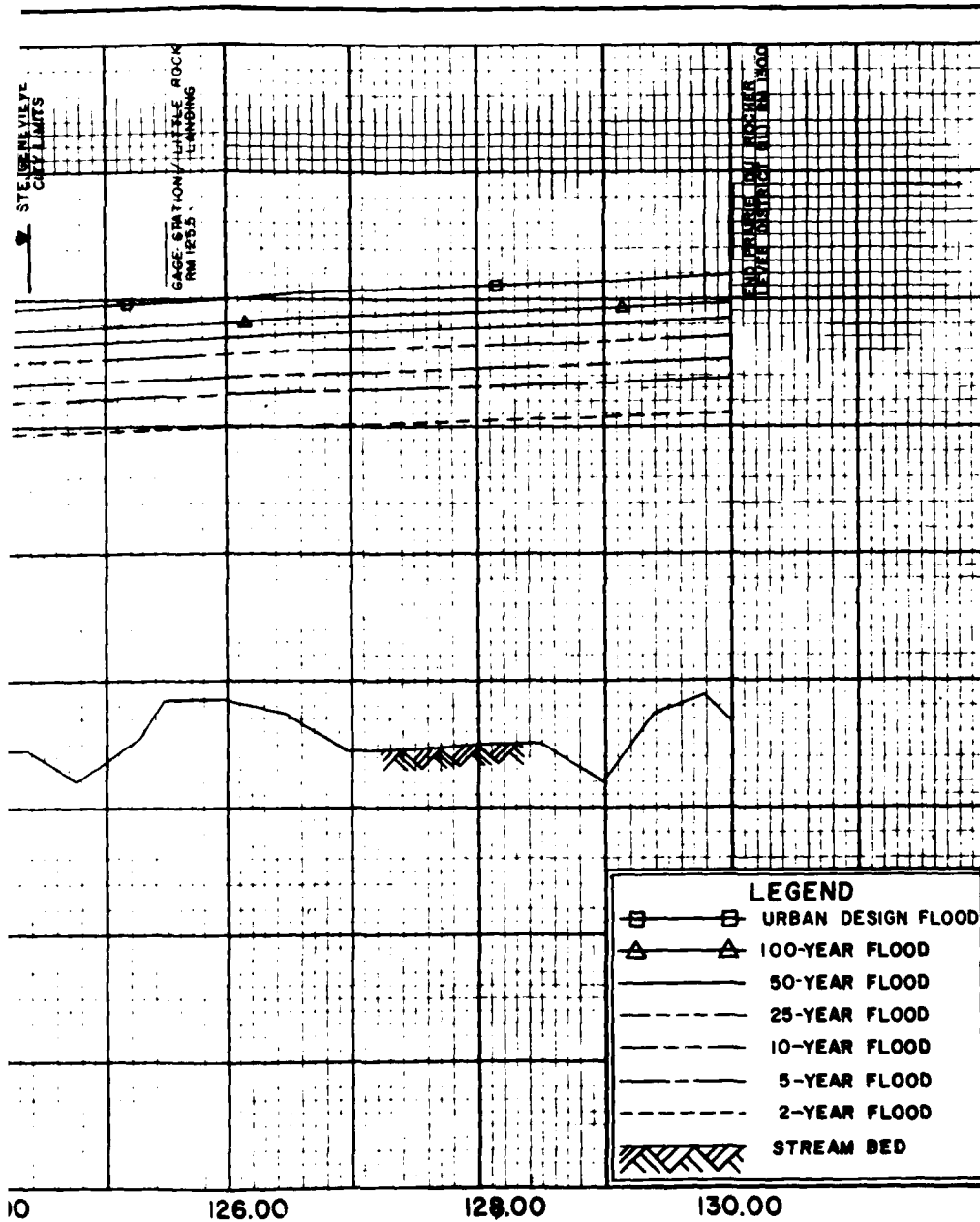
PLATE C-5





2

NO



WATER SURFACE PROFILE

MISSISSIPPI RIVER (RM 109.9-130.0)

STE. GENEVIEVE, MO.
(STE. GENEVIEVE CO.)

PLATE C-6

PLATE C-6



MISSISSIPPI RIVER FLOODING

— URBAN DESIGN FLOOD LIMITS
(500 YEAR FLOOD LIMITS)
— 100 YEAR FLOOD LIMITS
— 1973 FLOOD LIMITS

PLATE C-7









MISSISSIPPI RIVER FLOODING

URBAN DESIGN FLOOD LIMITS
(500 YEAR FLOOD LIMITS)
100 YEAR FLOOD LIMITS
10 YEAR FLOOD LIMITS

ST. GENEVIEVE, MO & VICINITY

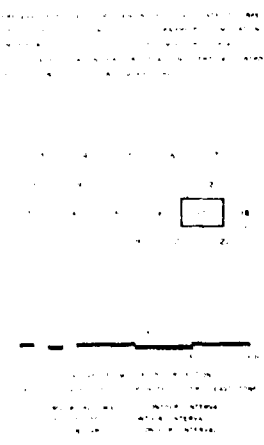
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BY: [illegible]
SHEET NO. 1
PLATE C-10





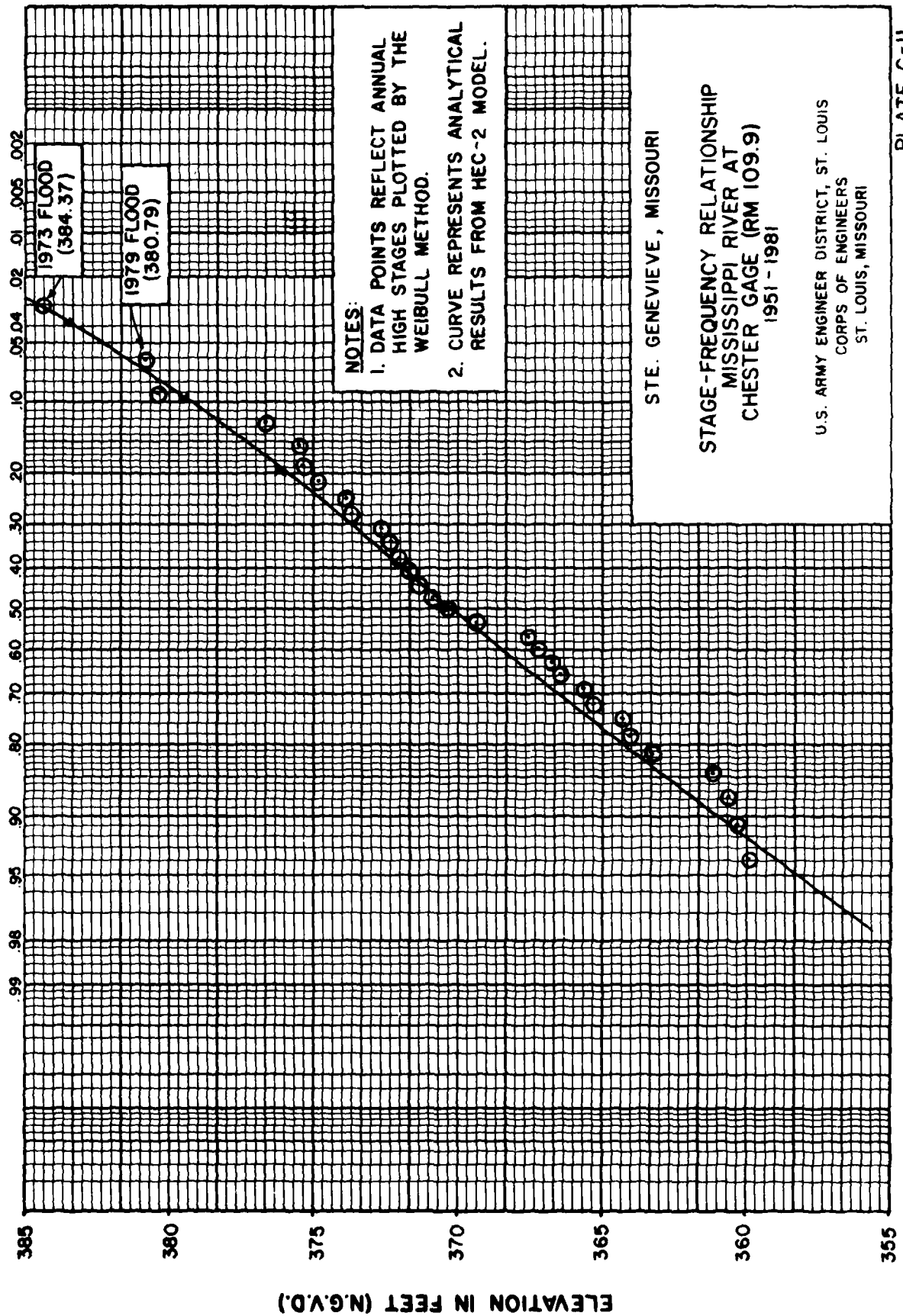
MISSISSIPPI RIVER FLOODING

URBAN DESIGN FLOOD LIMITS
(500 YEAR FLOOD LIMITS)
100 YEAR FLOOD LIMITS
1973 FLOOD LIMITS

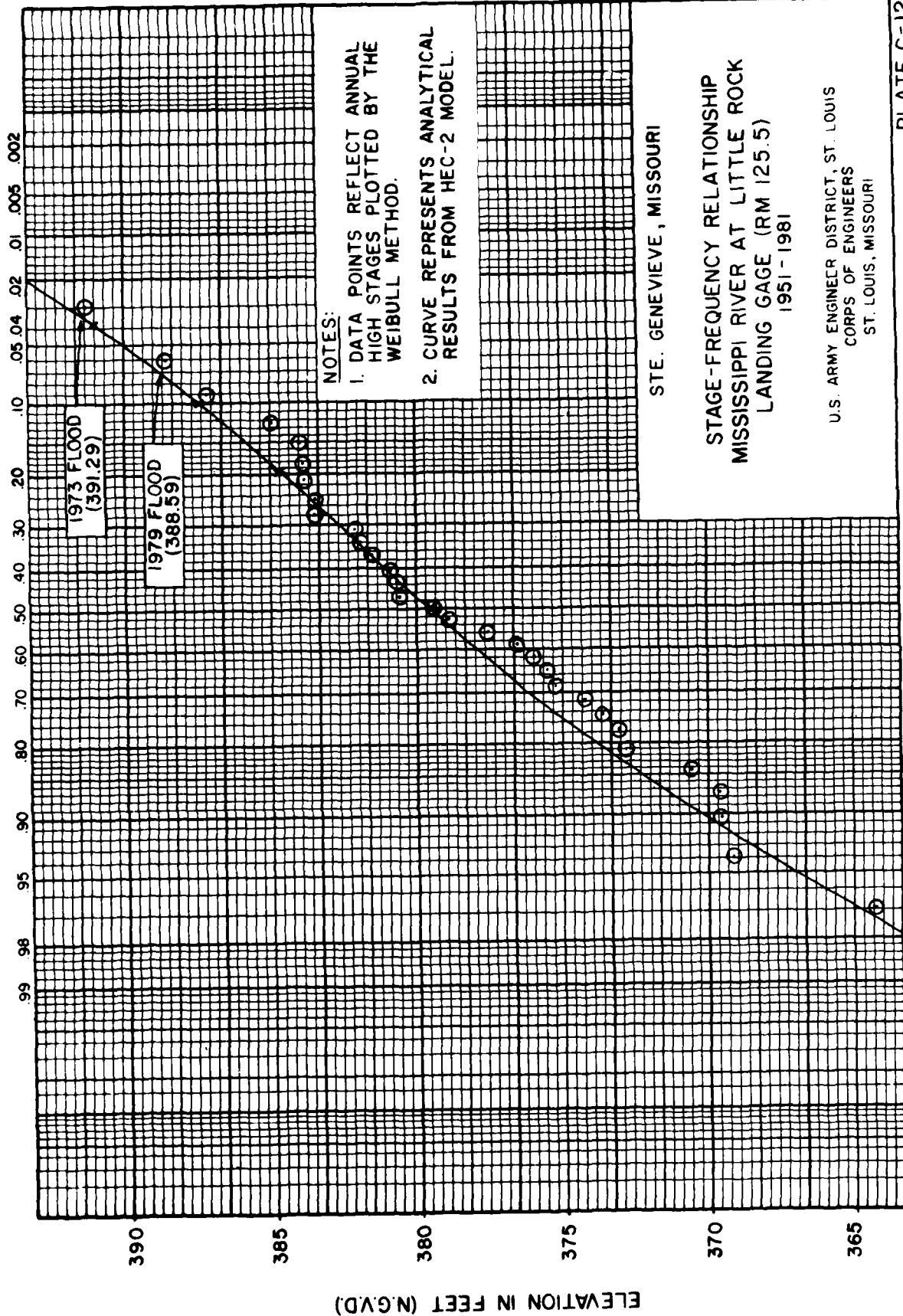


STE GENEVIEVE, MO & VICINITY

EXCEEDANCE PROBABILITY



EXCEEDANCE PROBABILITY



STE. GENEVIEVE, MISSOURI

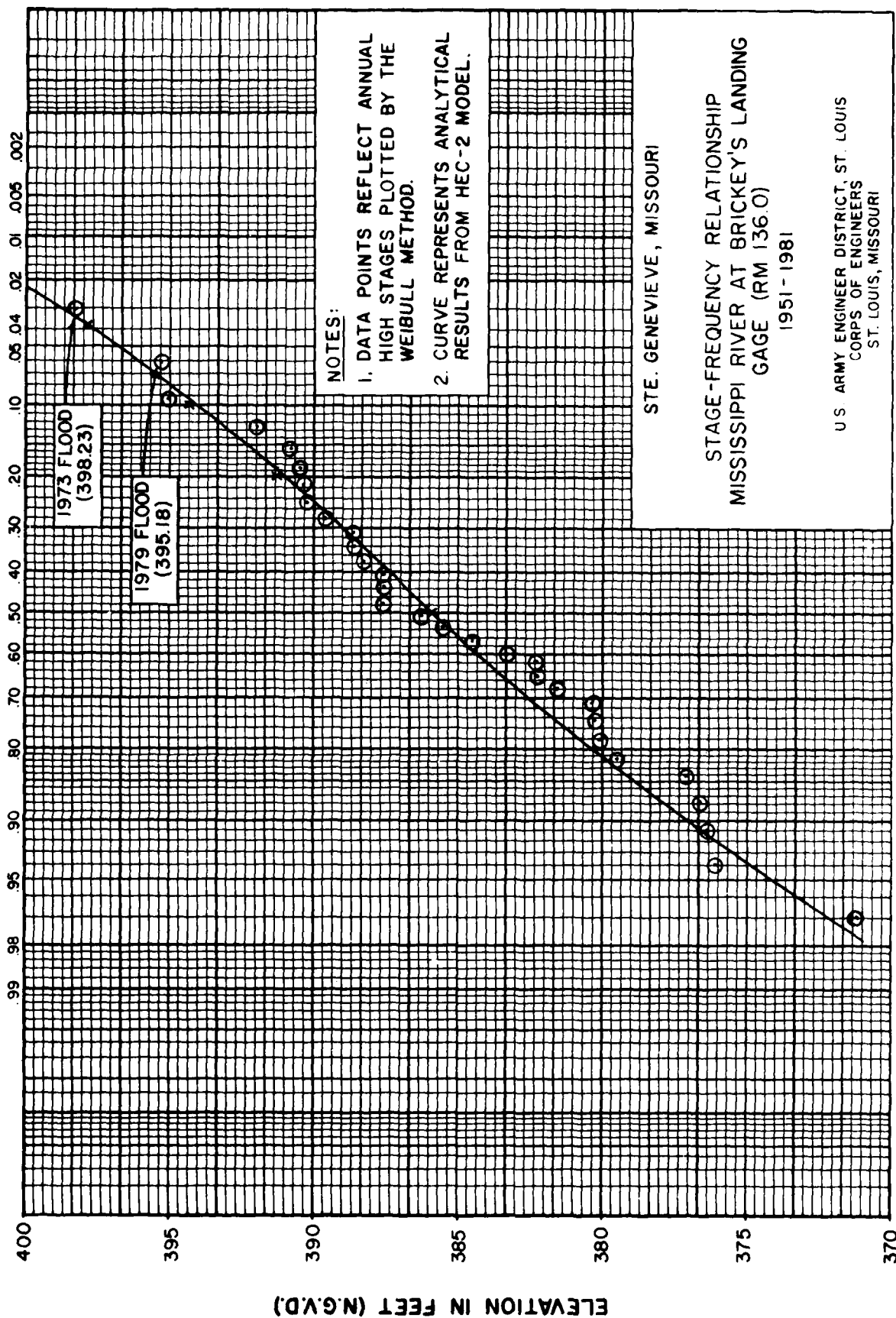
STAGE-FREQUENCY RELATIONSHIP
MISSISSIPPI RIVER AT LITTLE ROCK
LANDING GAGE (RM 125.5)
1951 - 1981

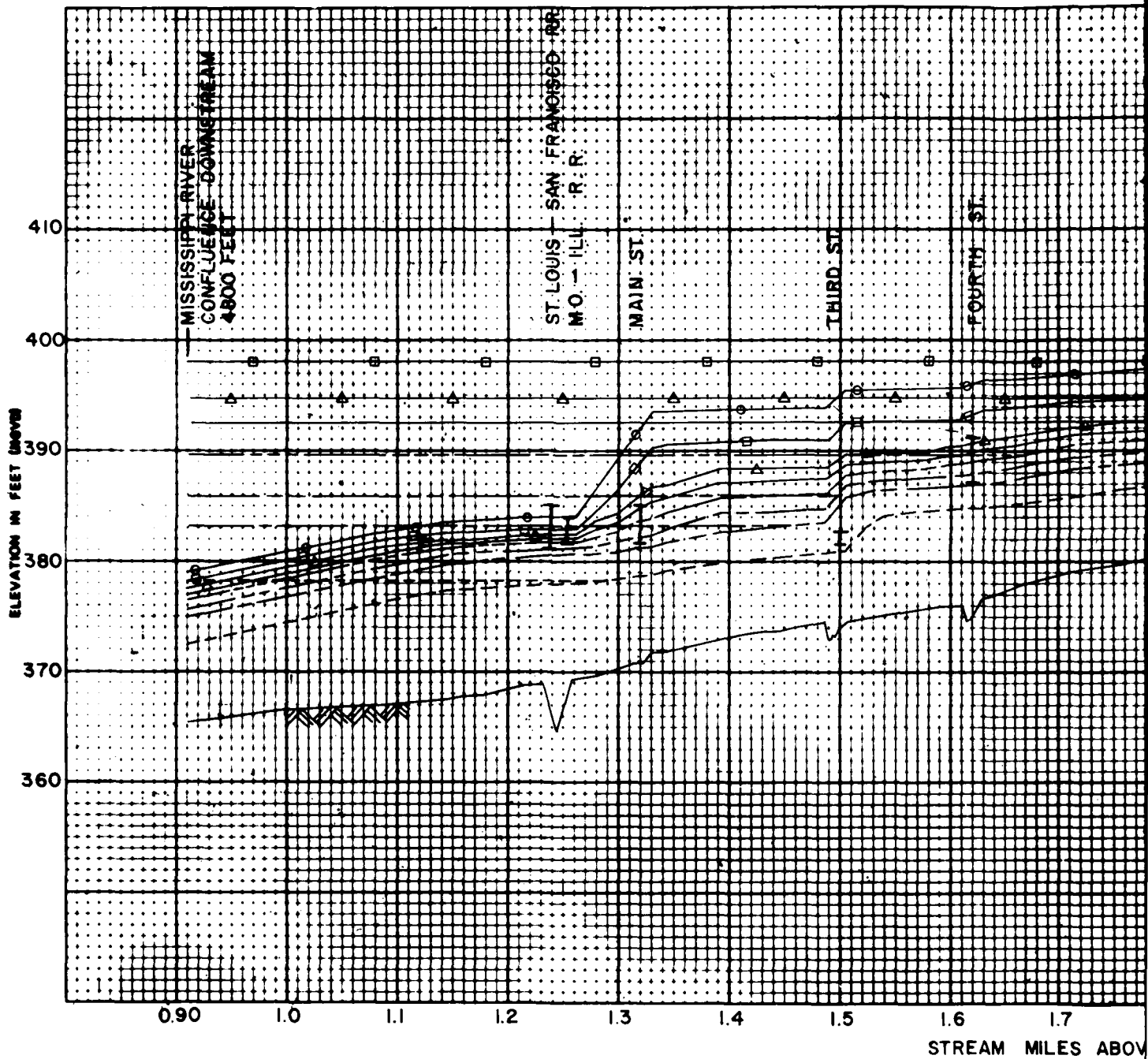
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

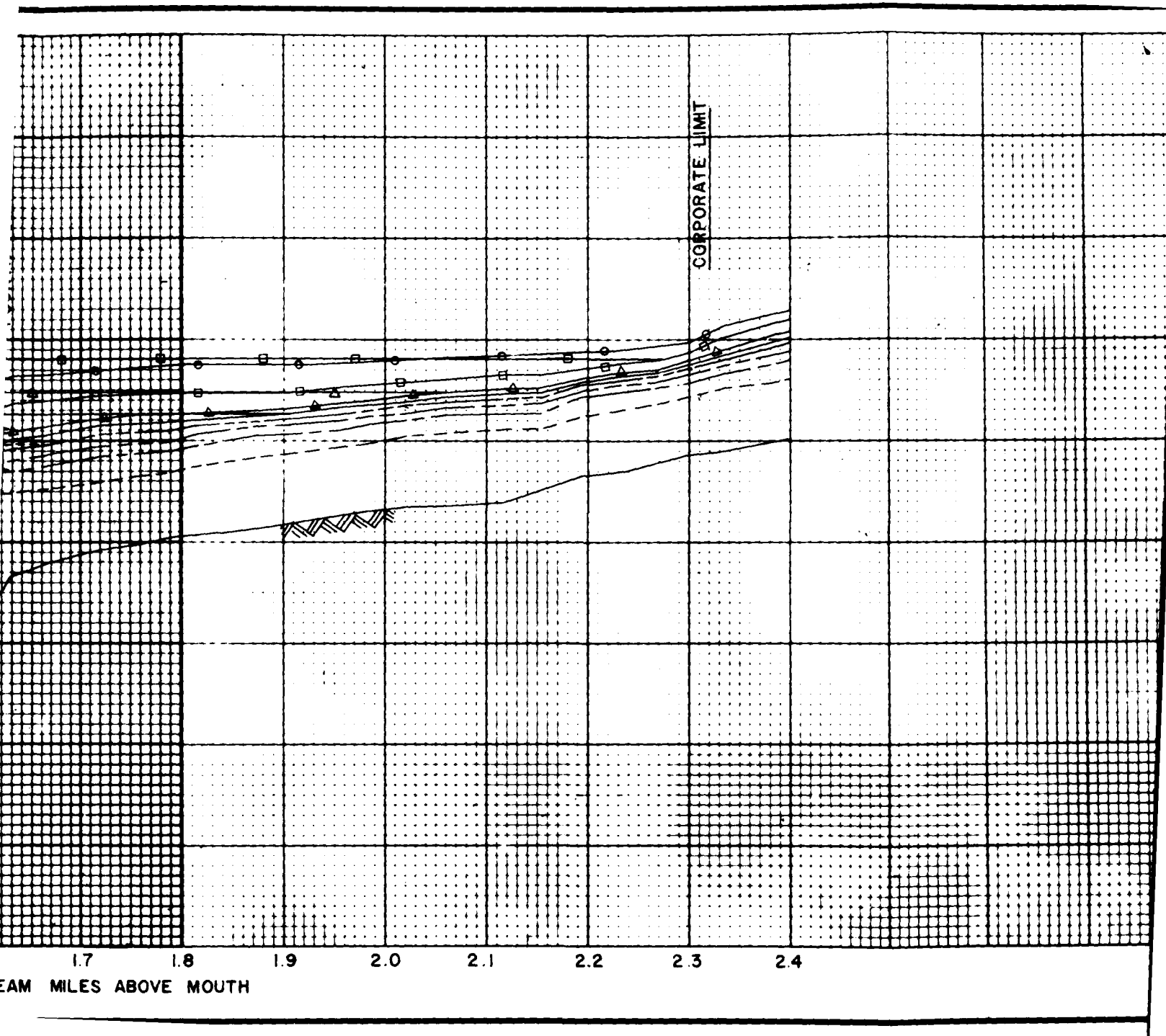
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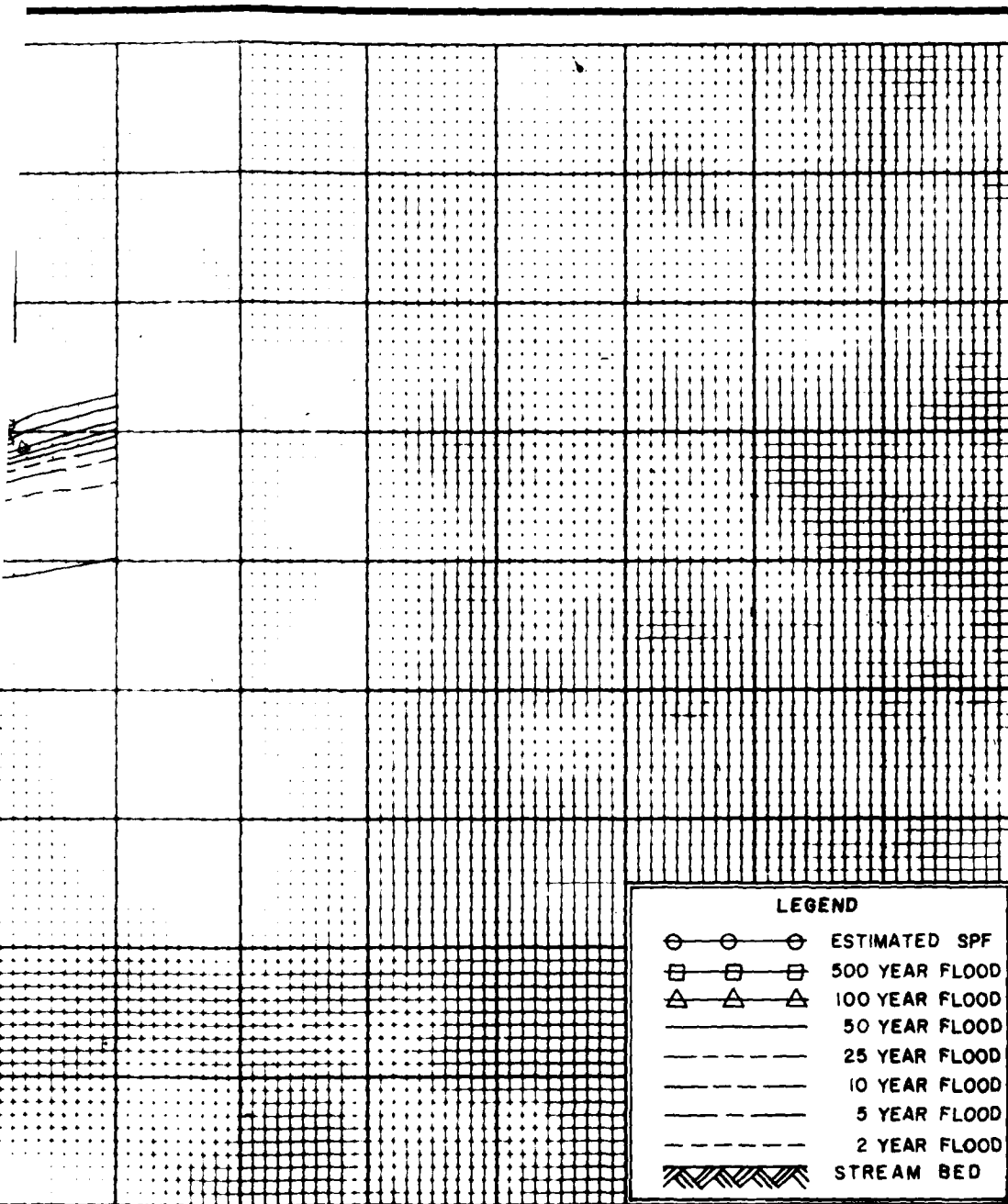
PLATE C-12

EXCEEDANCE PROBABILITY









LEGEND	
○ — ○ — ○	ESTIMATED SPF
□ — □ — □	500 YEAR FLOOD
△ — △ — △	100 YEAR FLOOD
— — — — —	50 YEAR FLOOD
— — — — —	25 YEAR FLOOD
— — — — —	10 YEAR FLOOD
— — — — —	5 YEAR FLOOD
— — — — —	2 YEAR FLOOD
▨ ▨ ▨ ▨ ▨	STREAM BED

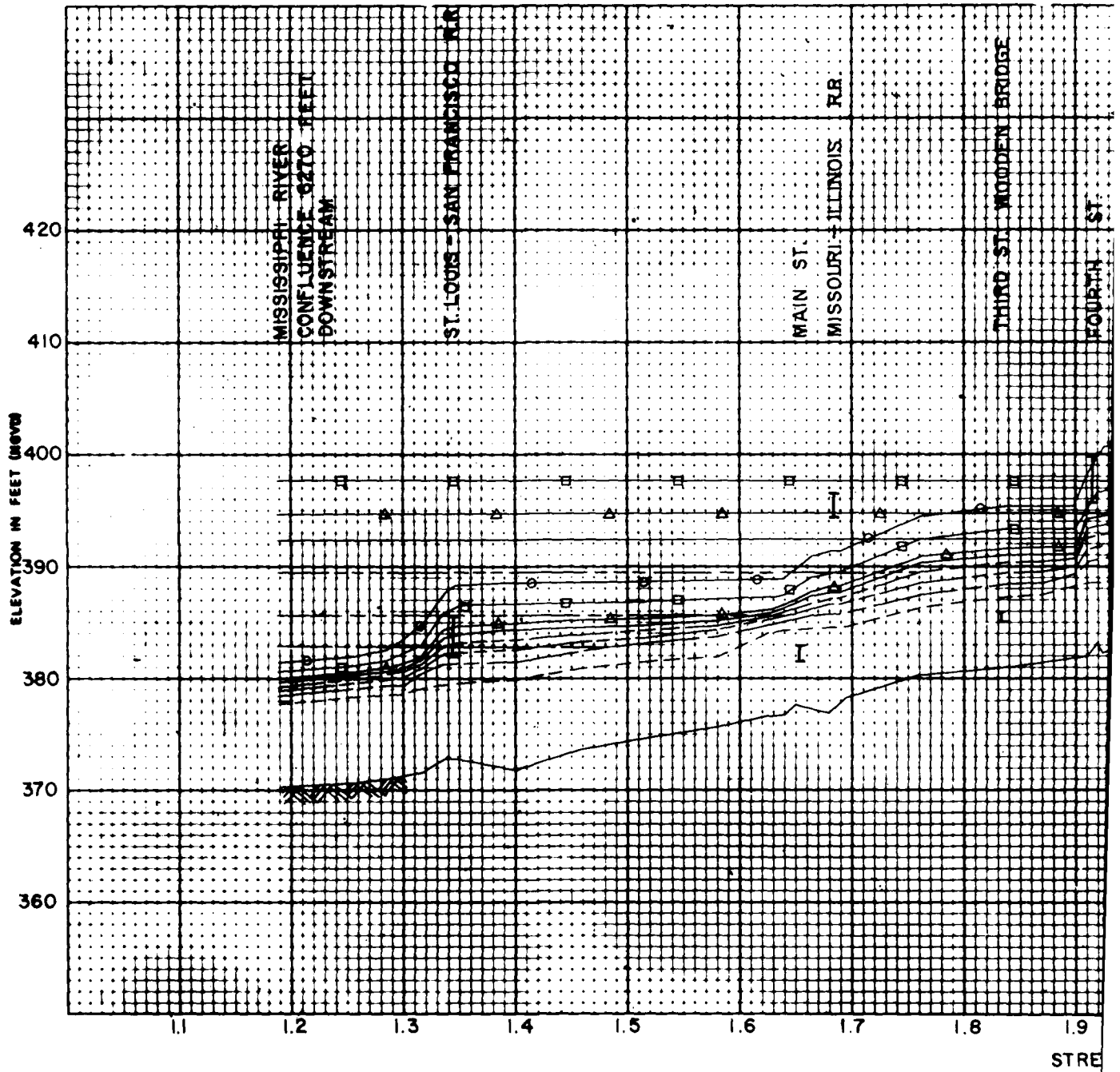
FREQUENCY PROFILES — FUTURE 'WITHOUT PROJECT'

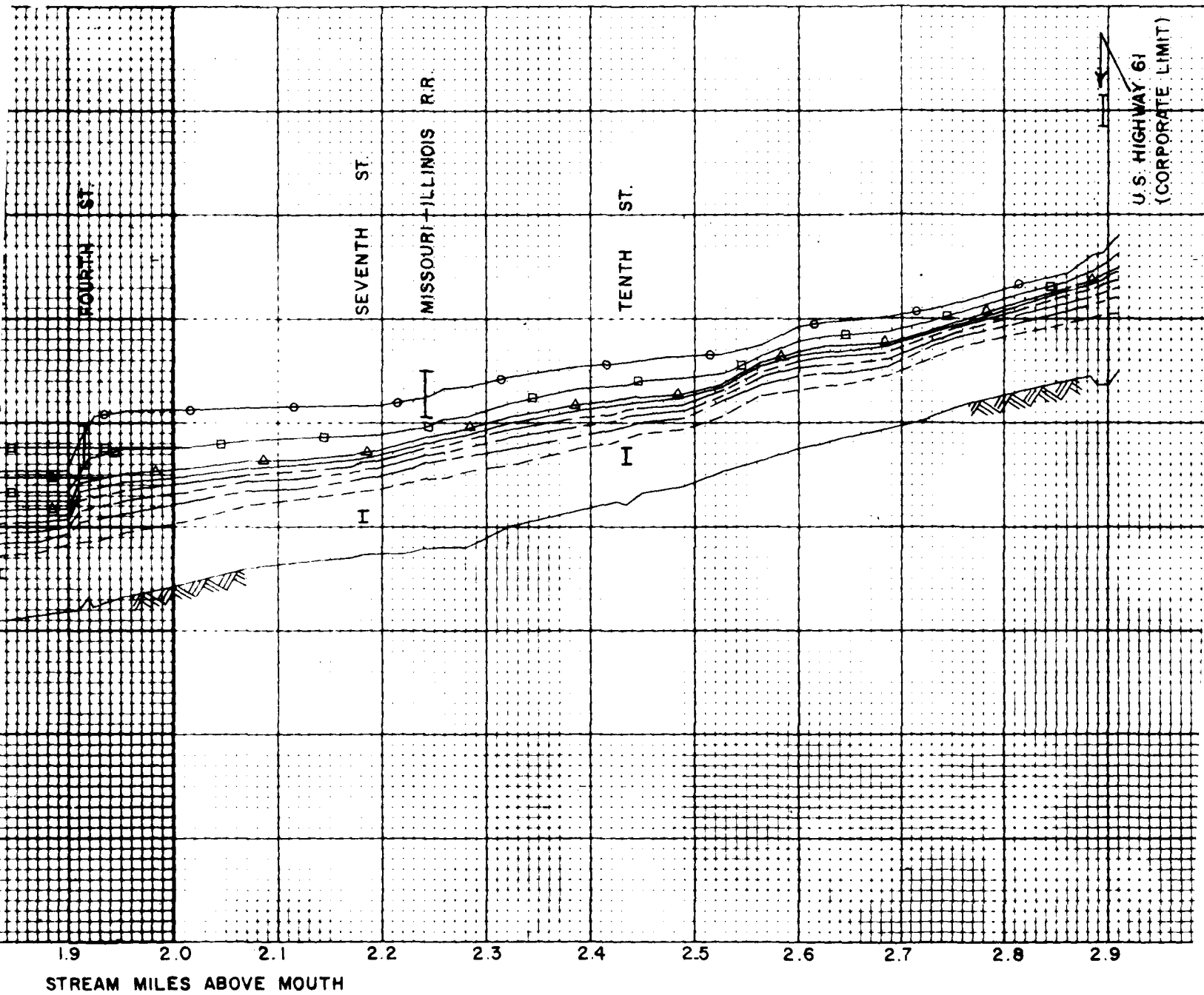
NORTH GABOURI CREEK

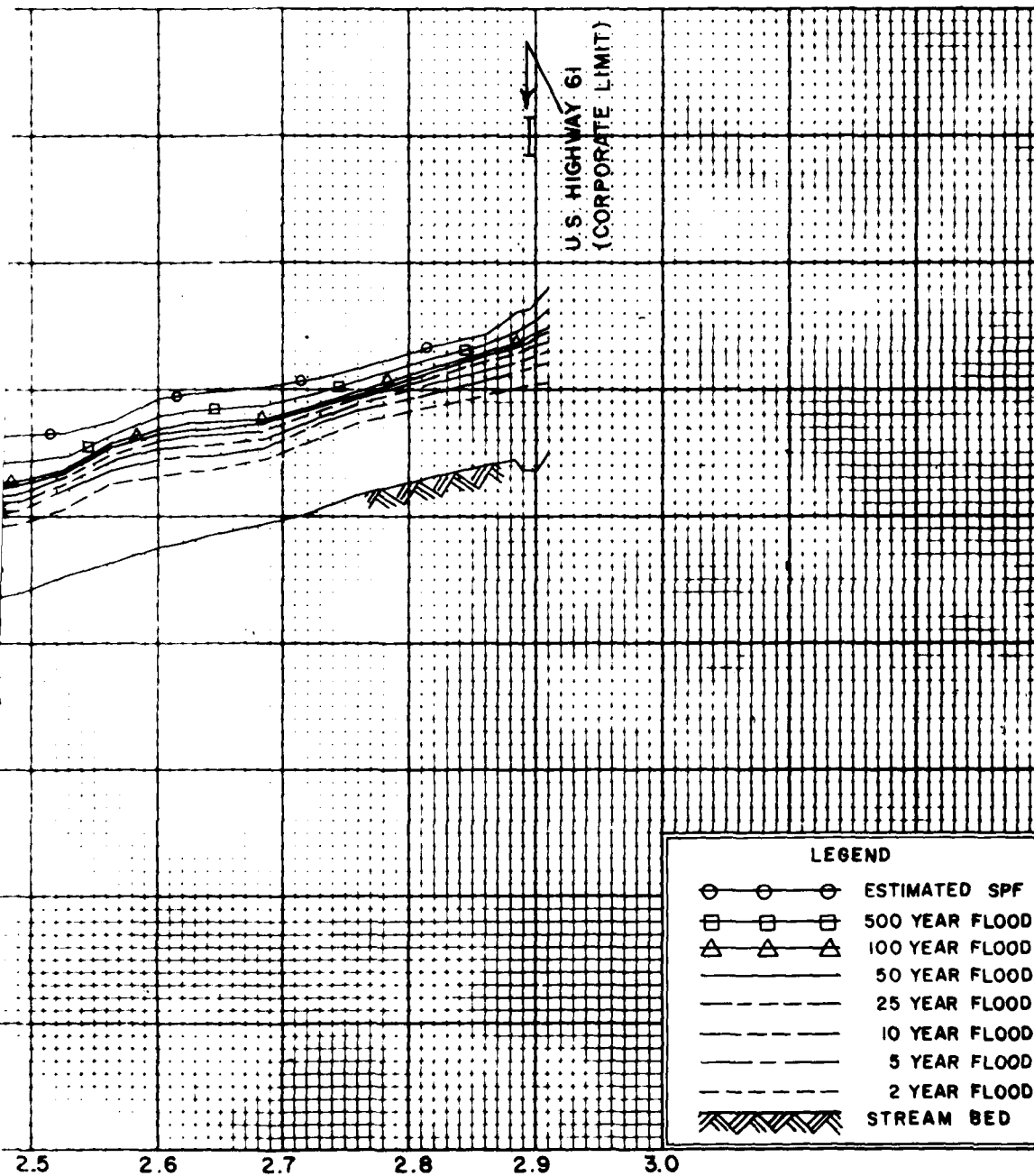
STE. GENEVIEVE, MO.
(STE. GENEVIEVE CO.)

PLATE C-14

PLATE C-14







FREQUENCY PROFILES — FUTURE 'WITHOUT PROJECT'

SOUTH GABOURI CREEK

PLATE C-15

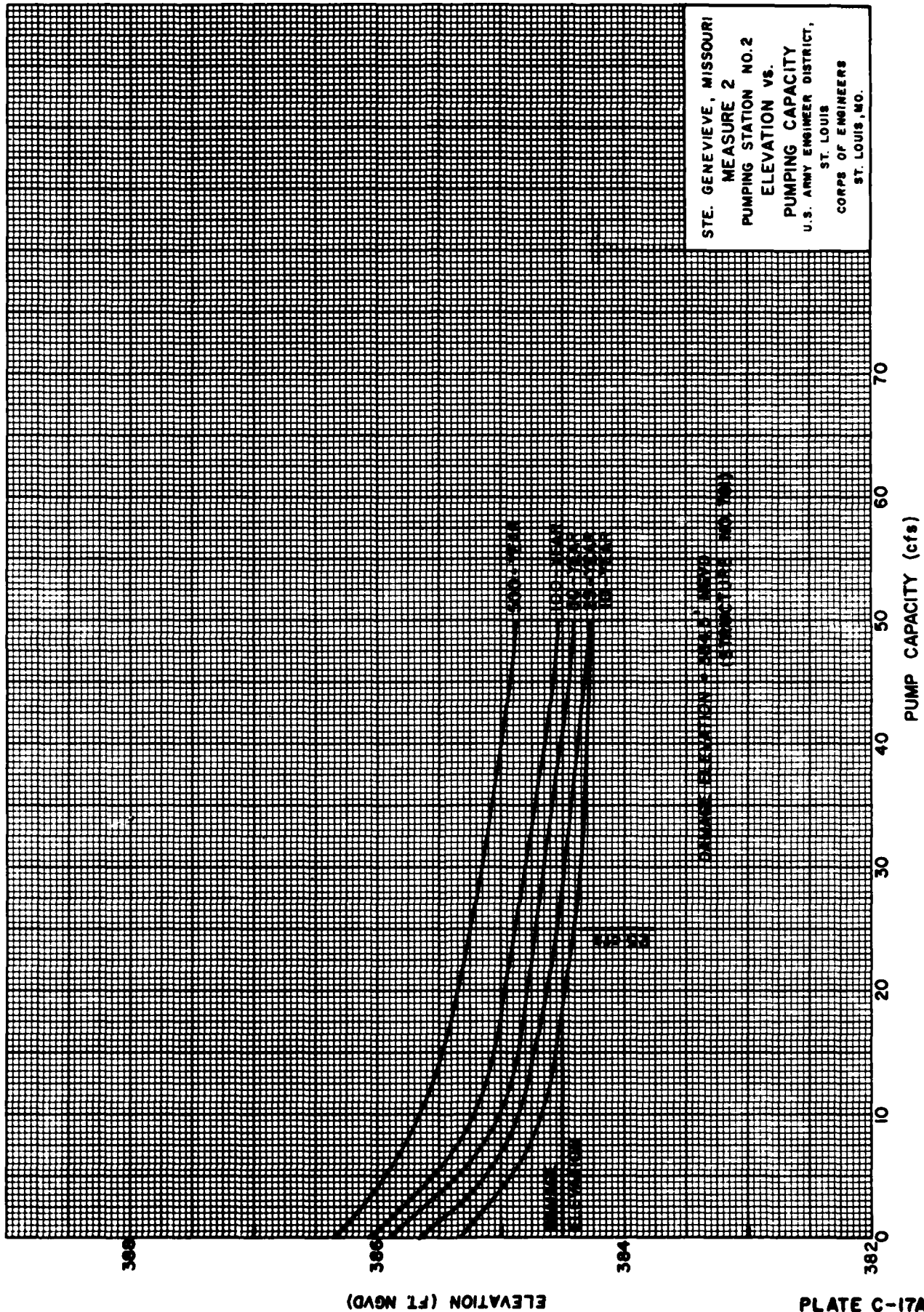
STE. GENEVIEVE, MO.
(STE. GENEVIEVE CO.)

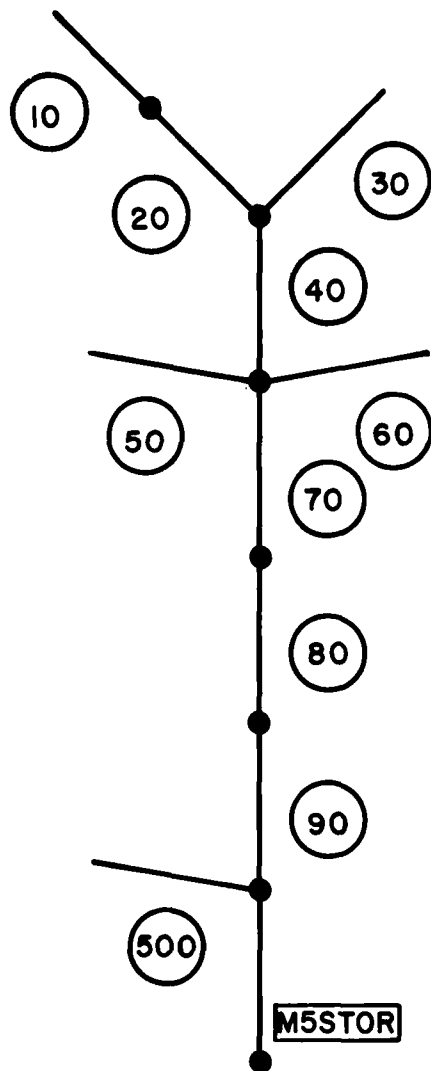
PLATE C-18



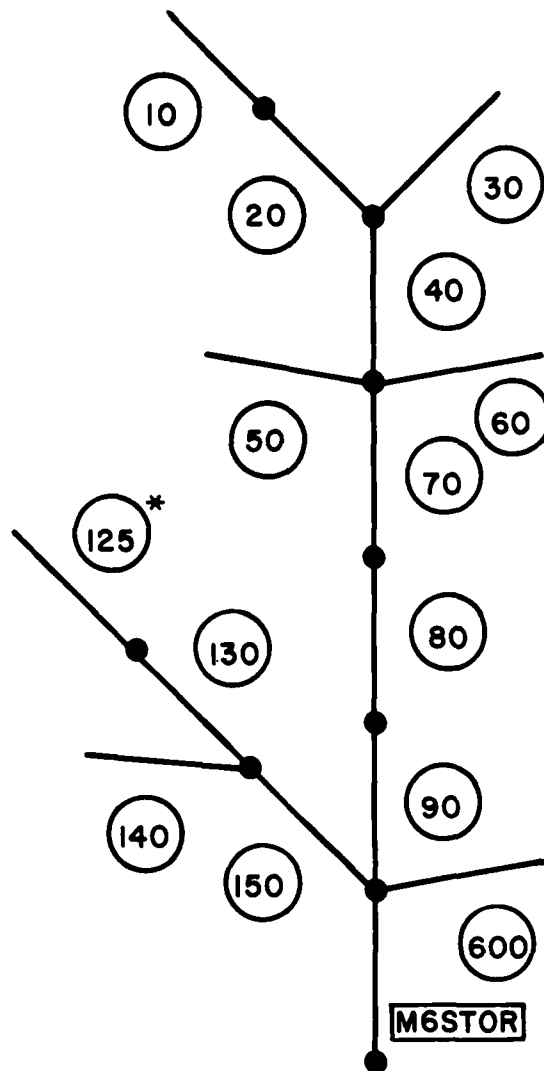








MEASURE 5



MEASURE 6

* UNIT HYDROGRAPH (125) REPRESENTS COMBINED HYDROGRAPH OF (100), (110), AND (120).

LEGEND



SUBAREA NO.

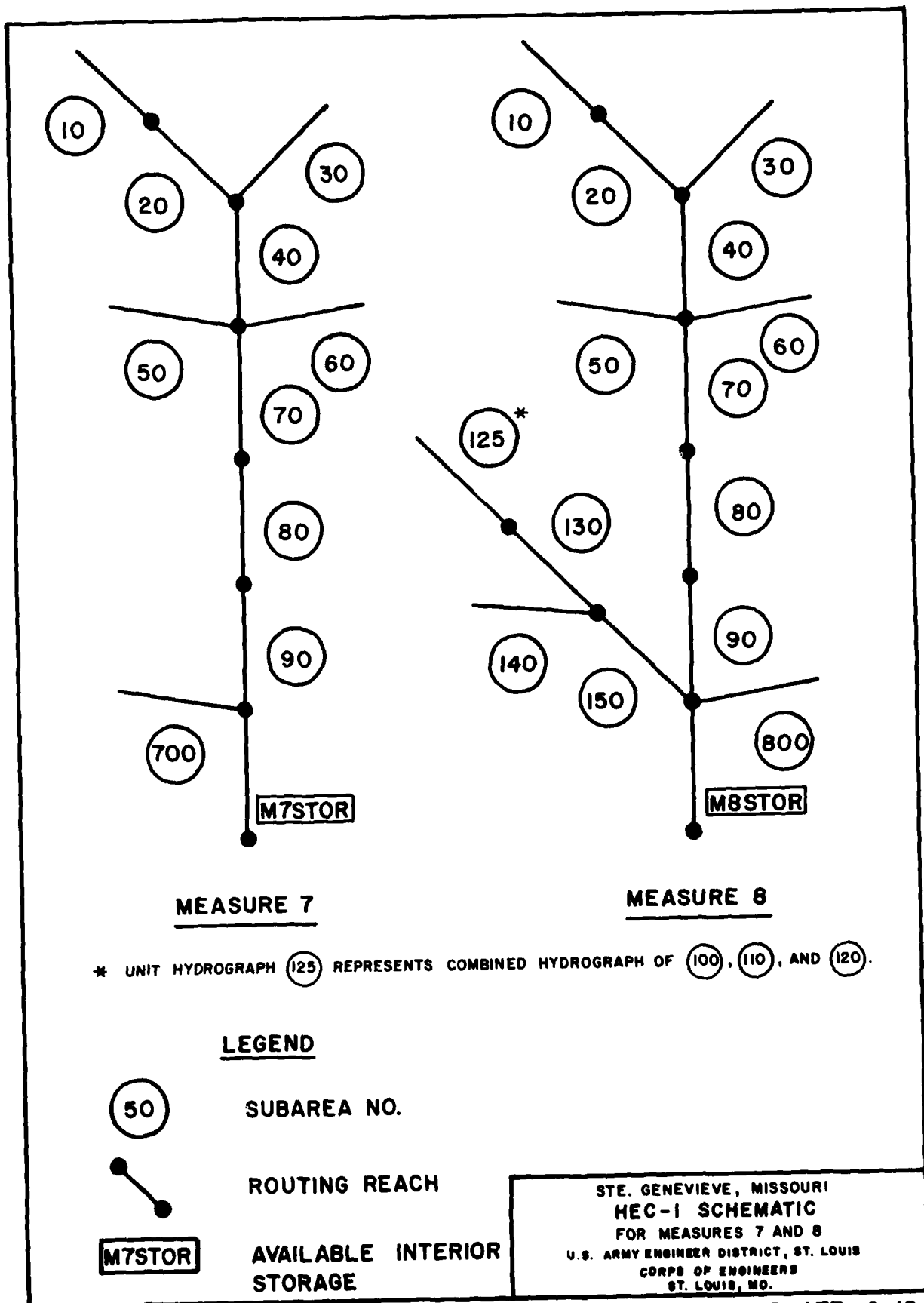


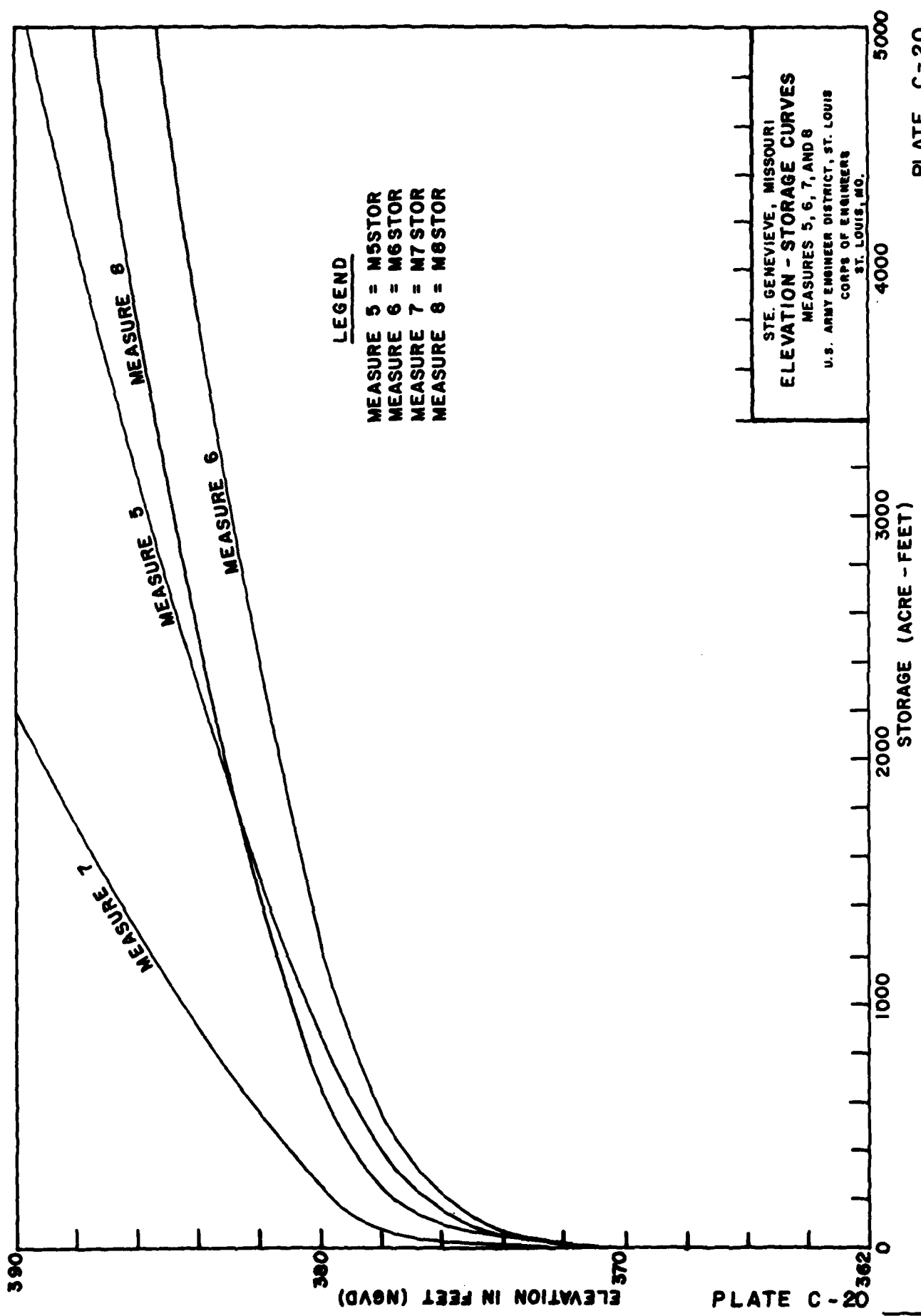
ROUTING REACH

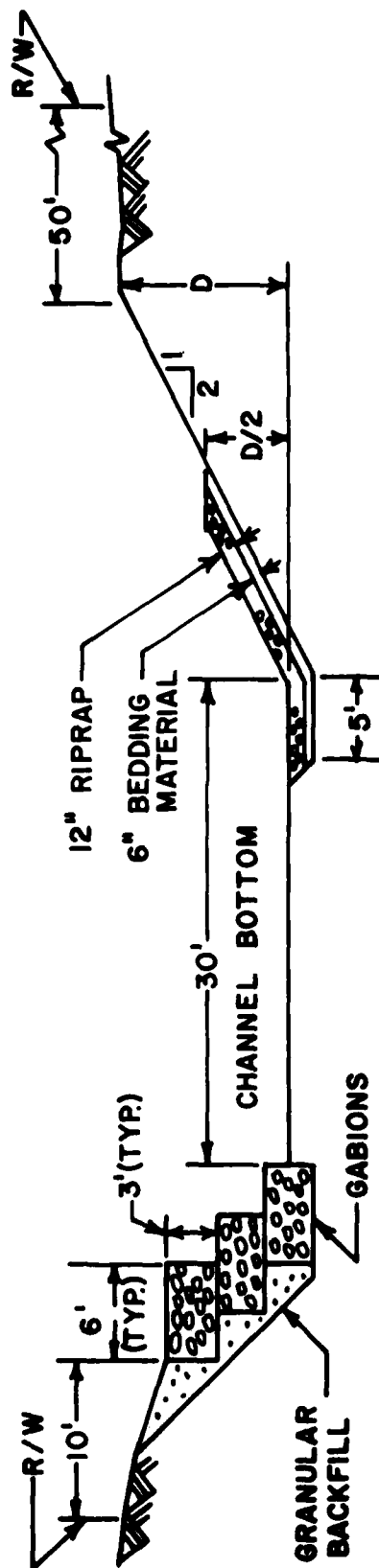


AVAILABLE INTERIOR STORAGE

STE. GENEVIEVE, MISSOURI
HEC-1 SCHEMATIC
FOR MEASURES 5 AND 6
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.



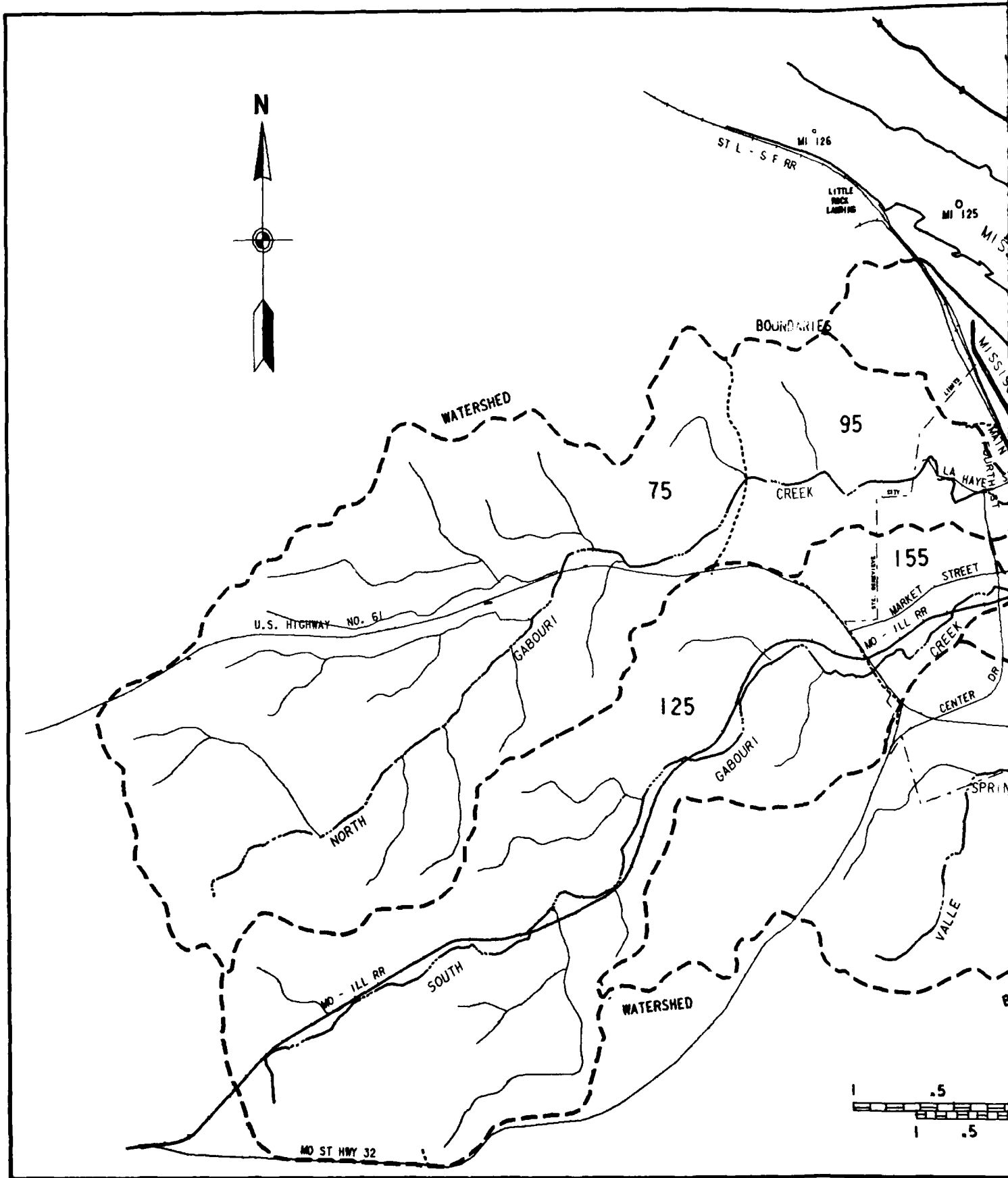


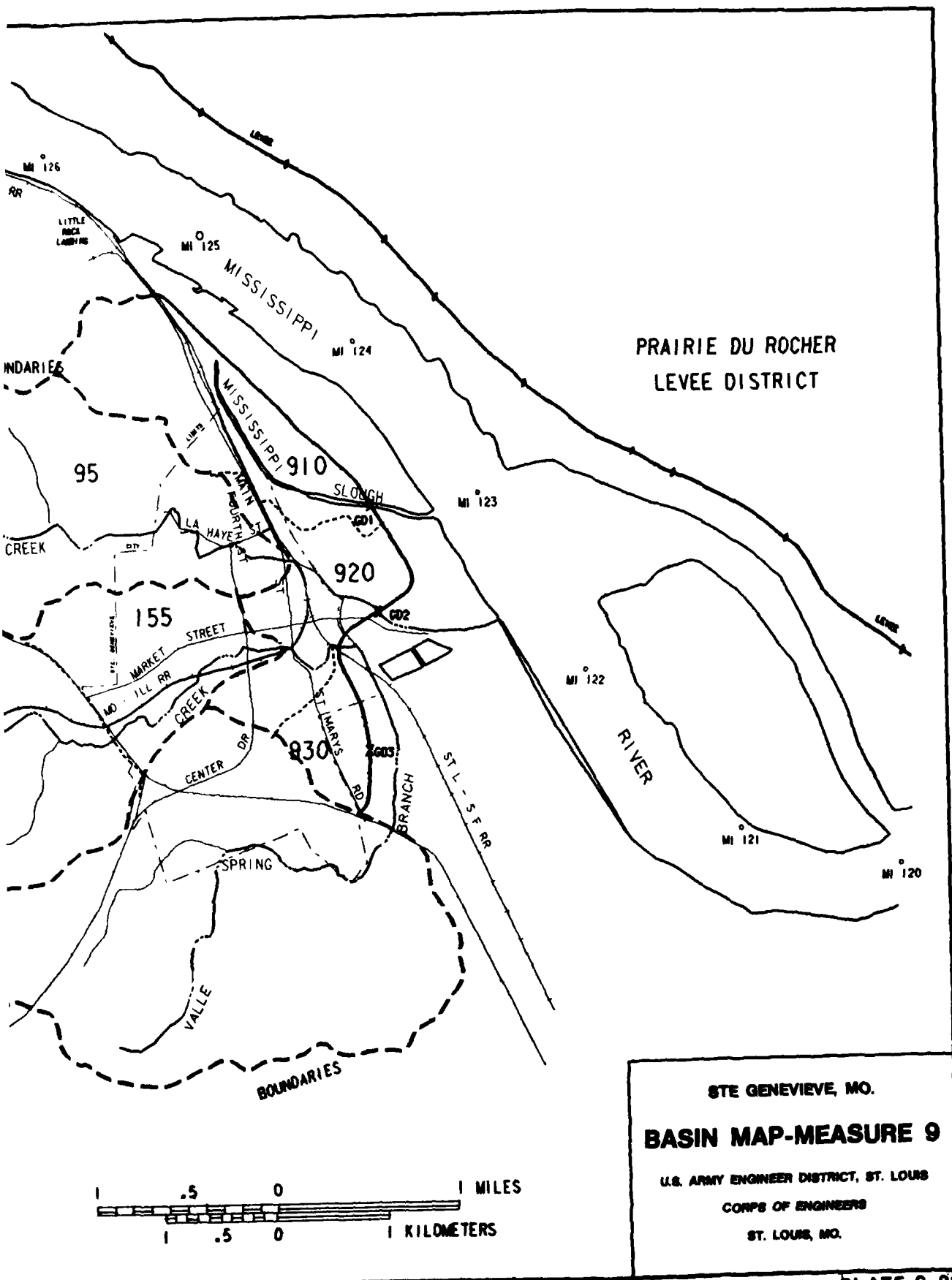


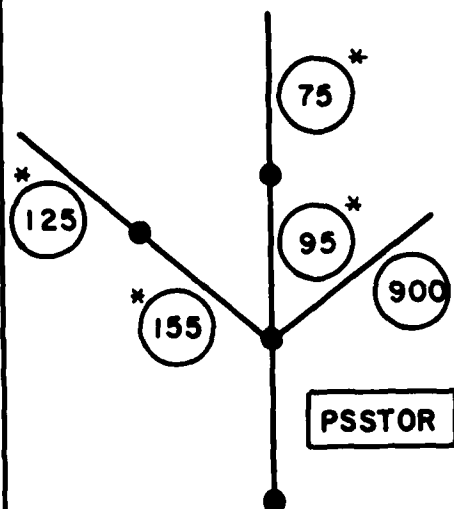
STE. GENEVIEVE, MISSOURI
 TYPICAL CROSS-SECTION
 FOR MEASURE 12 AND 13
 U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
 CORPS OF ENGINEERS
 ST. LOUIS, MO.

PLATE C-21

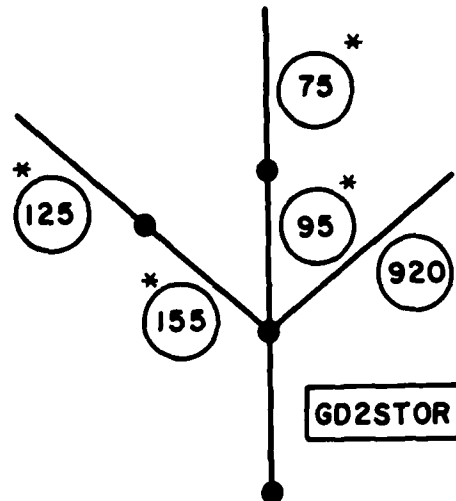
PLATE C-21







**PUMPING STATION
AT GD2**



**GRAVITY DRAIN
AT GD2**

* NOTE:
 UNIT HYDROGRAPH (75) REPRESENTS COMBINED HYDROGRAPHS OF (10) THROUGH (70)
 UNIT HYDROGRAPH (95) REPRESENTS COMBINED HYDROGRAPHS OF (80) AND (90)
 UNIT HYDROGRAPH (125) REPRESENTS COMBINED HYDROGRAPHS OF (100), (110), AND (120)
 UNIT HYDROGRAPH (155) REPRESENTS COMBINED HYDROGRAPHS OF (130), (140), AND (150)

LEGEND



SUBAREA NO.

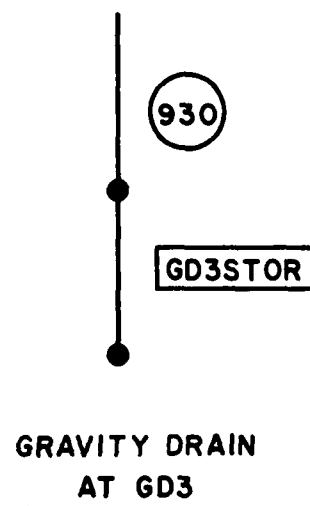
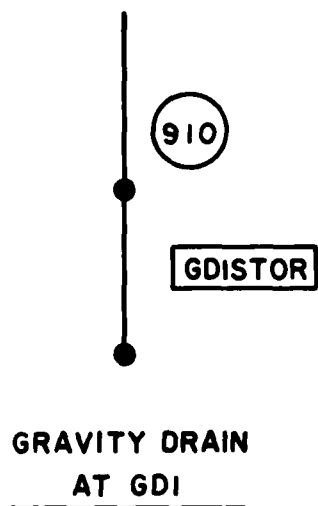


ROUTING REACH



INTERIOR STORAGE
AREA

STE. GENEVIEVE, MISSOURI
HEC-1 SCHEMATIC
 FOR MEASURE 9
 PUMPING STATION AND GRAVITY DRAIN AT GD2
 U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
 CORPS OF ENGINEERS
 ST. LOUIS, MO.



LEGEND

(910)

SUBAREA NO

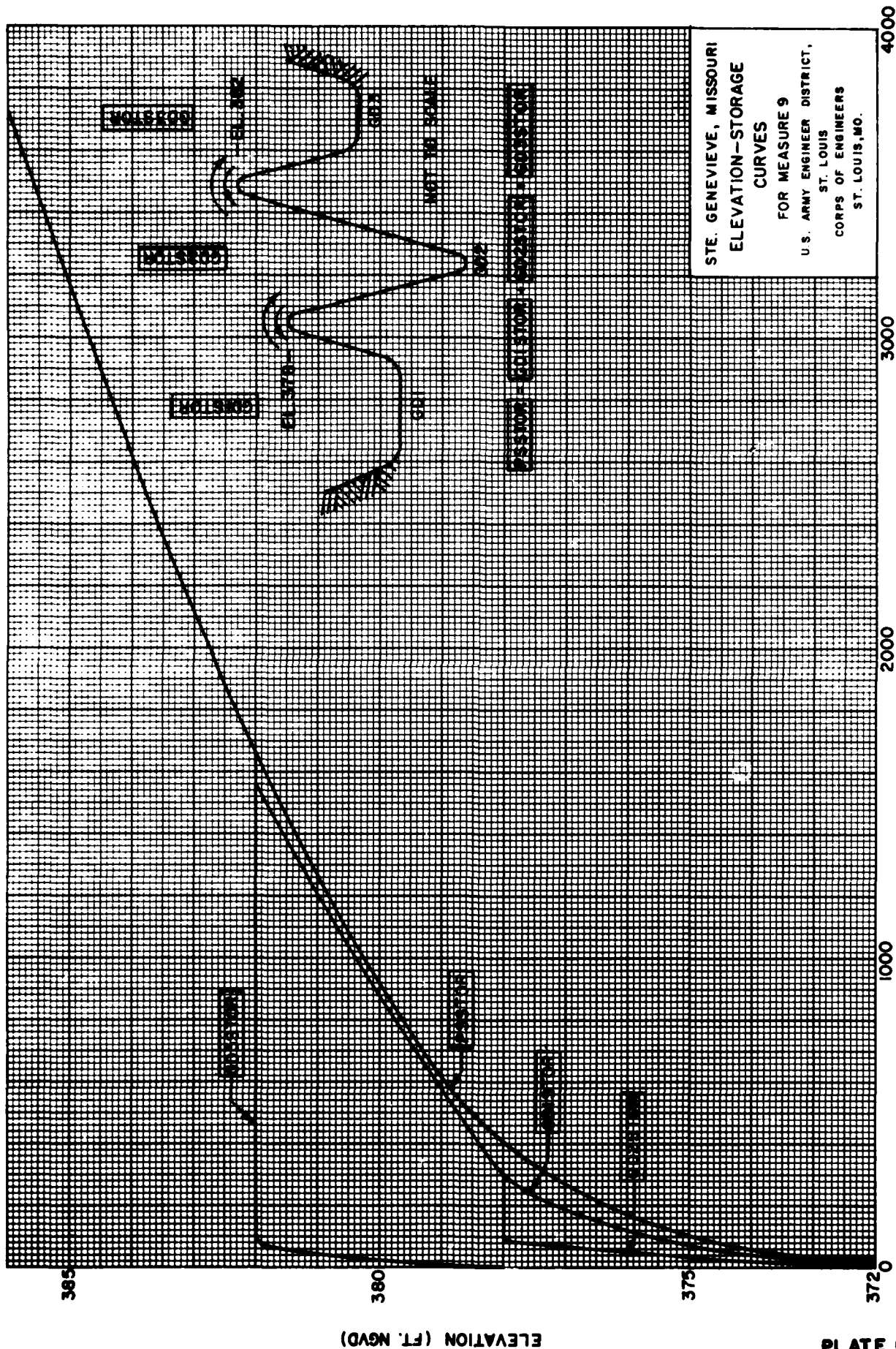


ROUTING REACH

GDISTOR

INTERIOR STORAGE
AR' 4

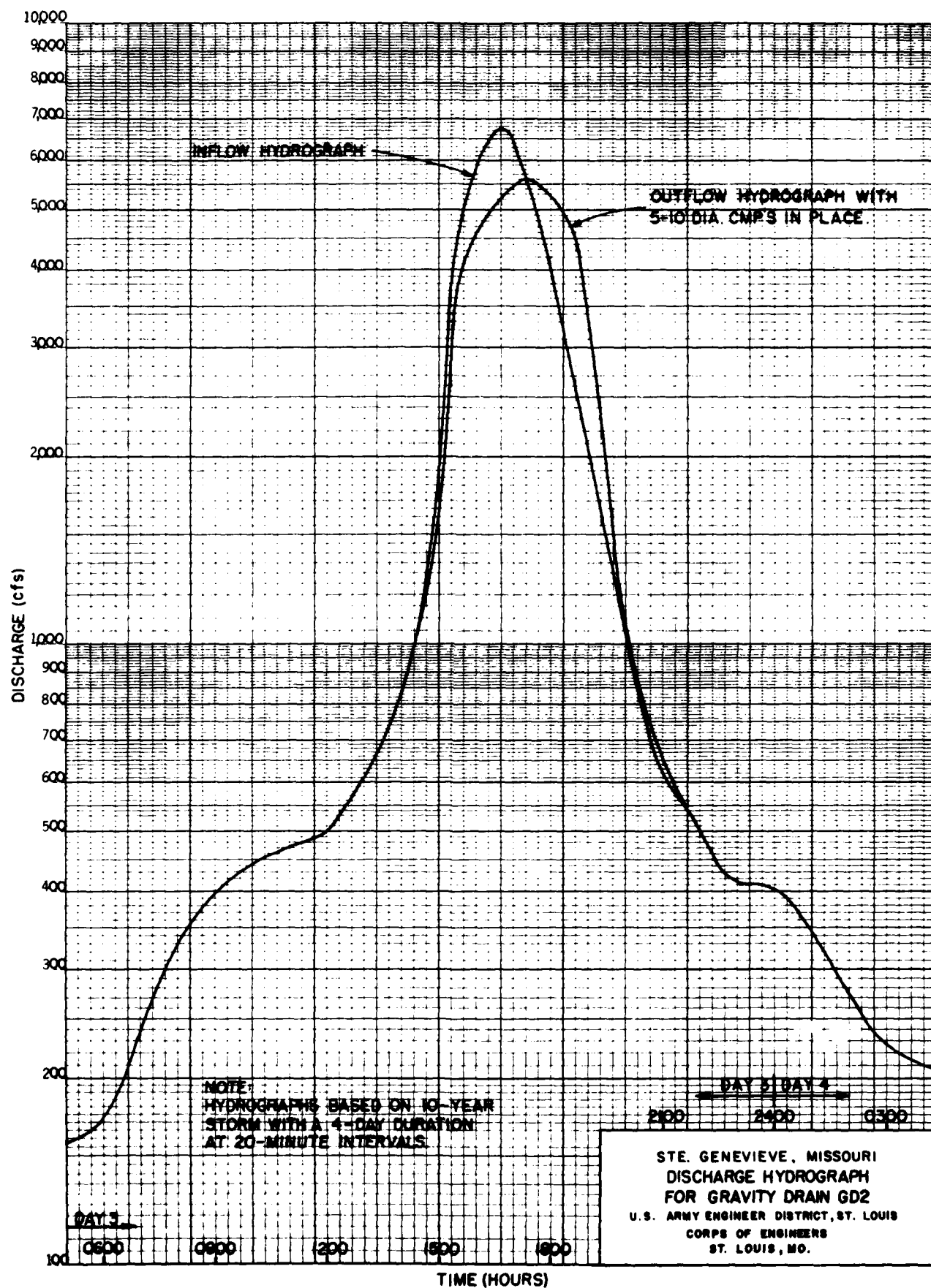
STE. GENEVIEVE, MISSOURI
HEC-1 SCHEMATIC
FOR MEASURE 9
GRAVITY DRAINS AT GDI AND GD3
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

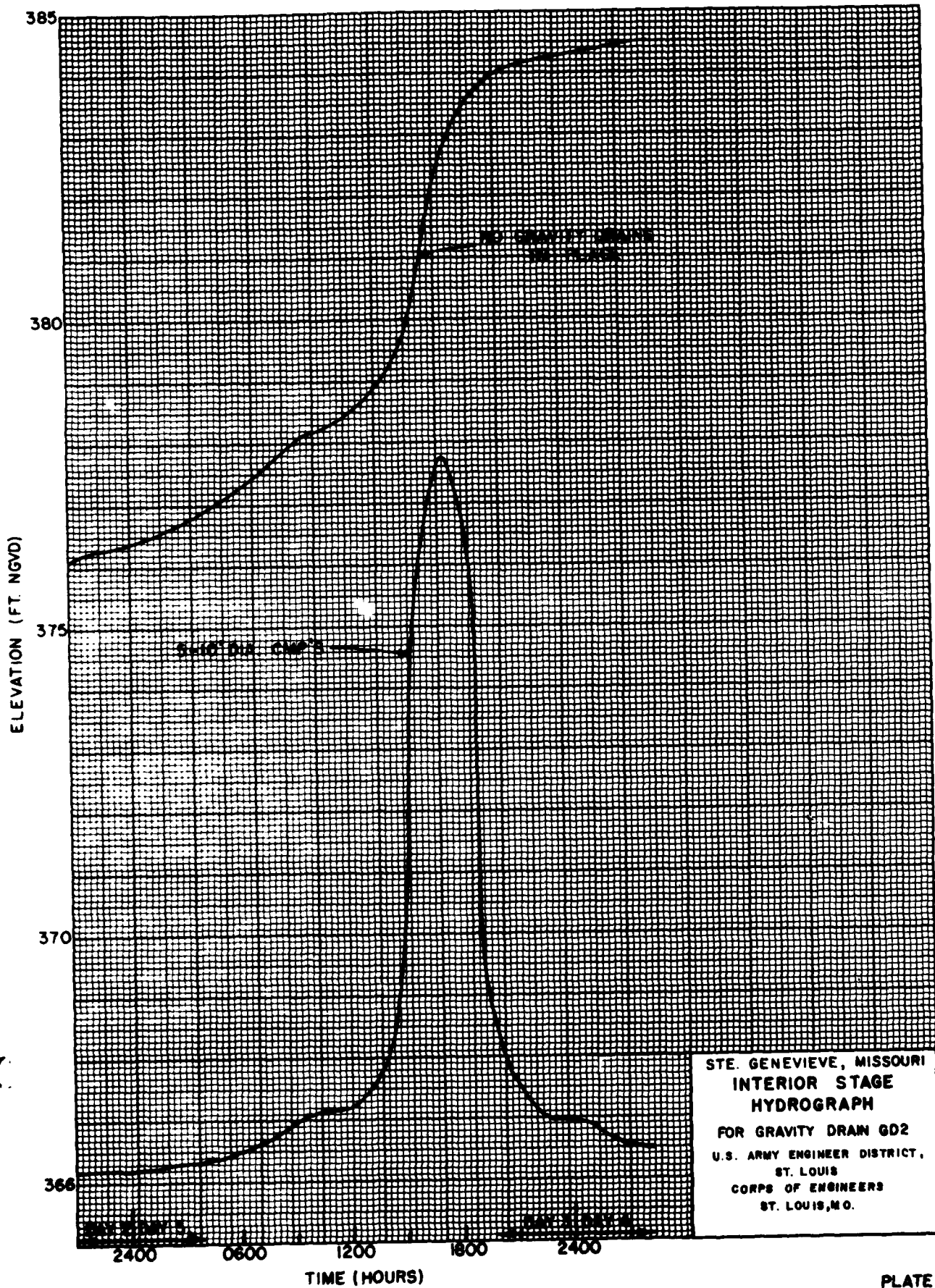


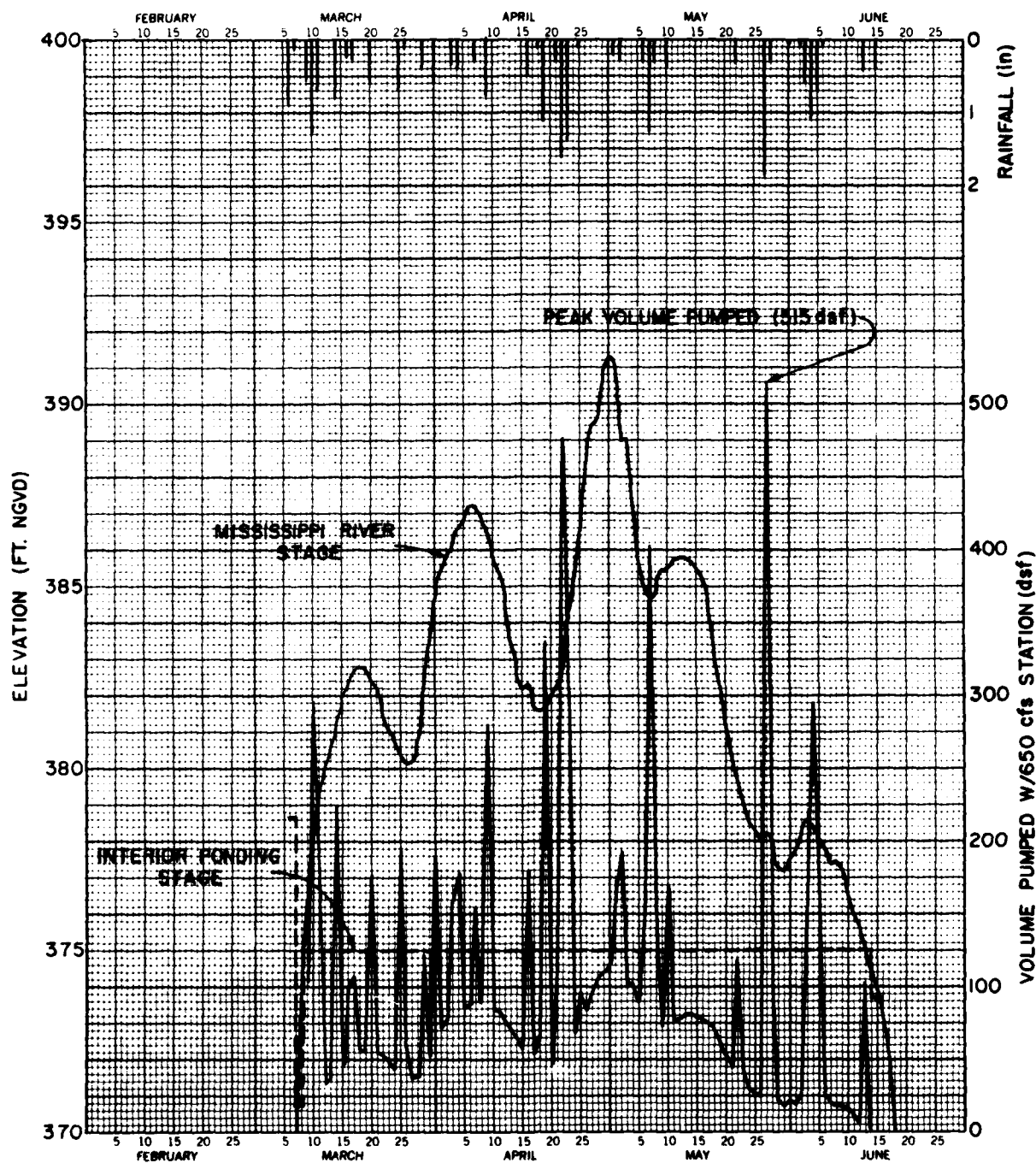
STORAGE (ACRE-FEET)

PLATE C-25

PLATE C-25



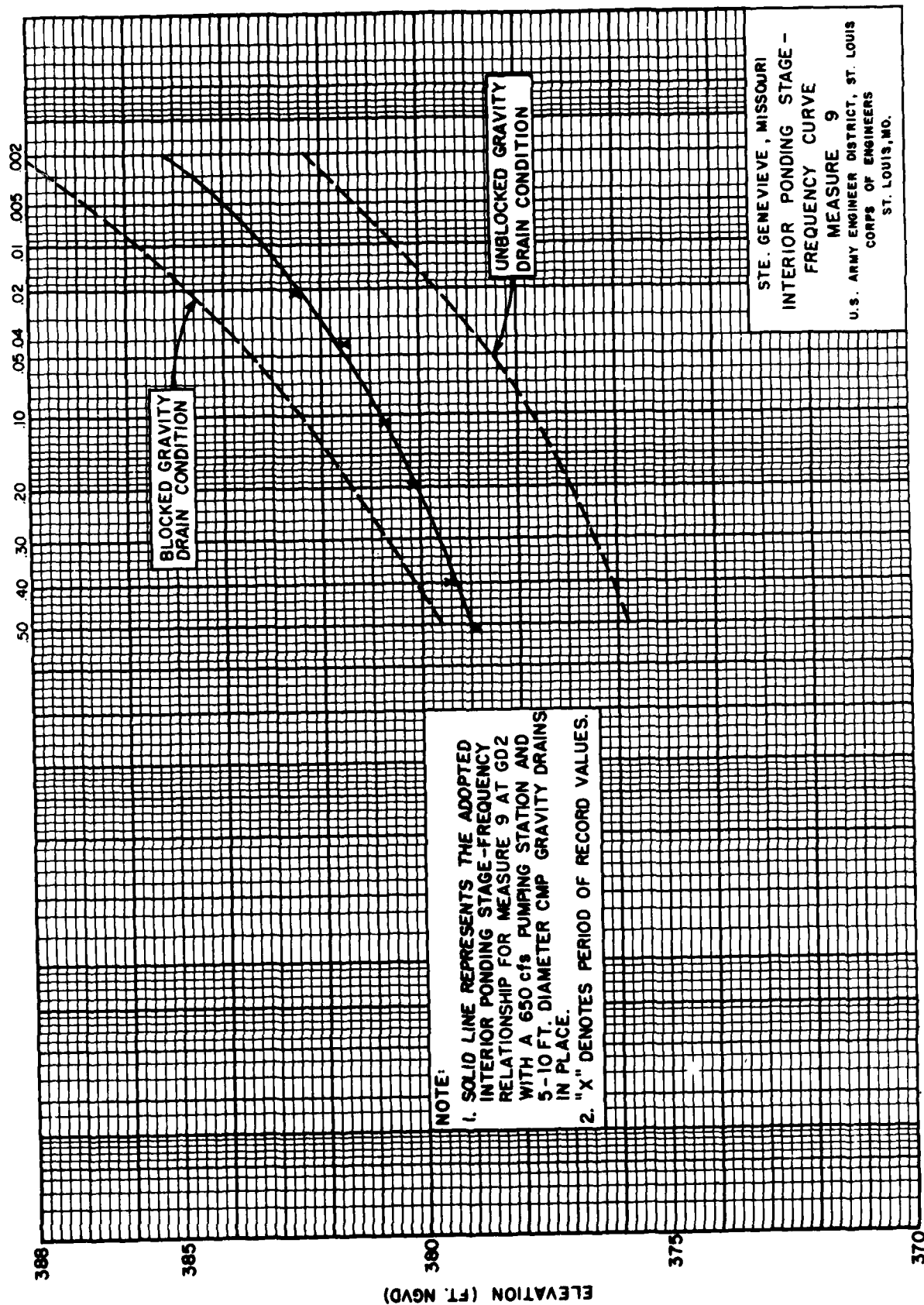




STE. GENEVIEVE, MISSOURI
STAGE-HYDROGRAPH AT GD2
1973 FLOOD

U.S. ARMY ENGINEER DISTRICT, SAINT LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.

EXCEEDANCE PROBABILITY



EXCEEDANCE PROBABILITY

.002
.01
.02
.04
.10
.20
.50

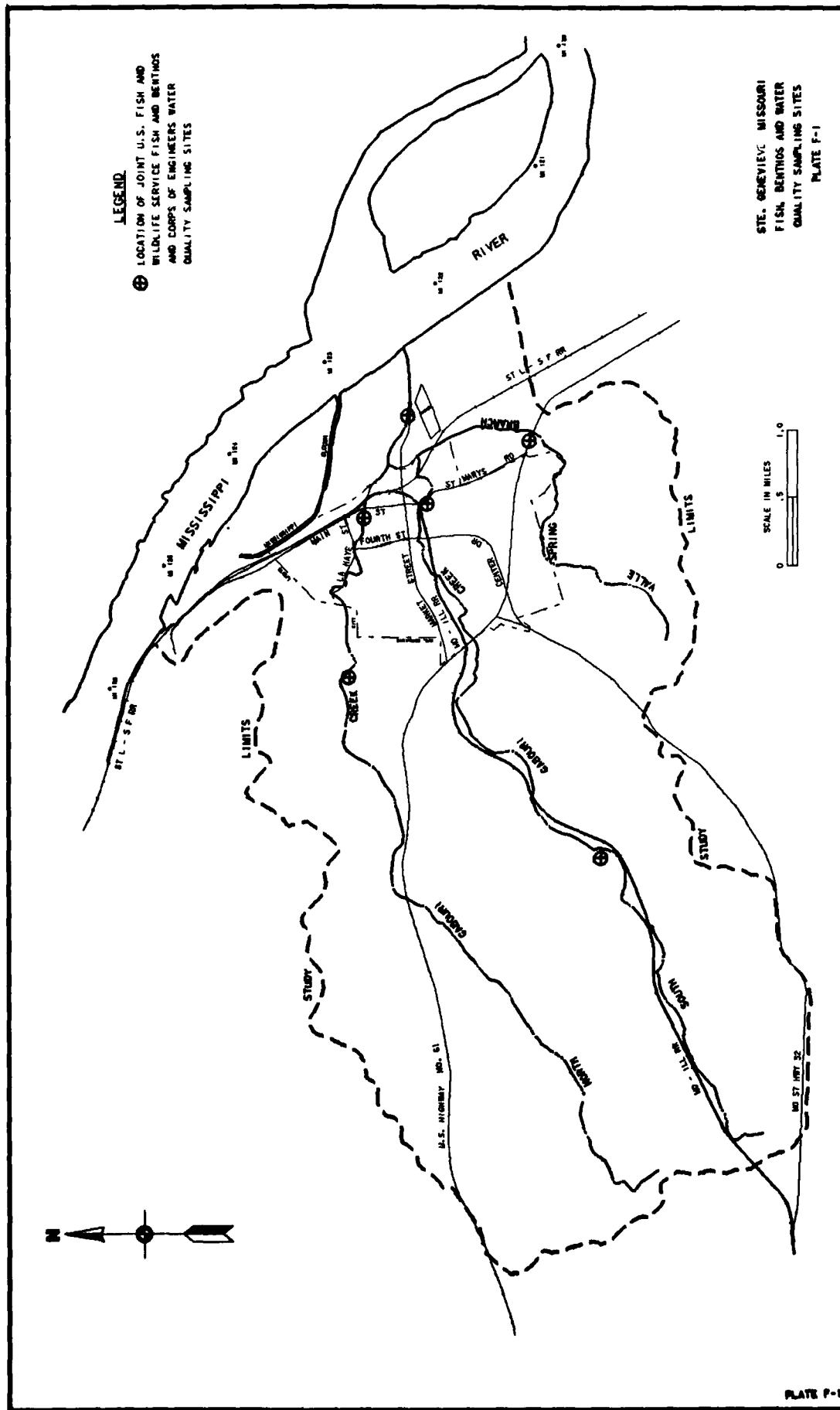
400
395
390
385
380
375

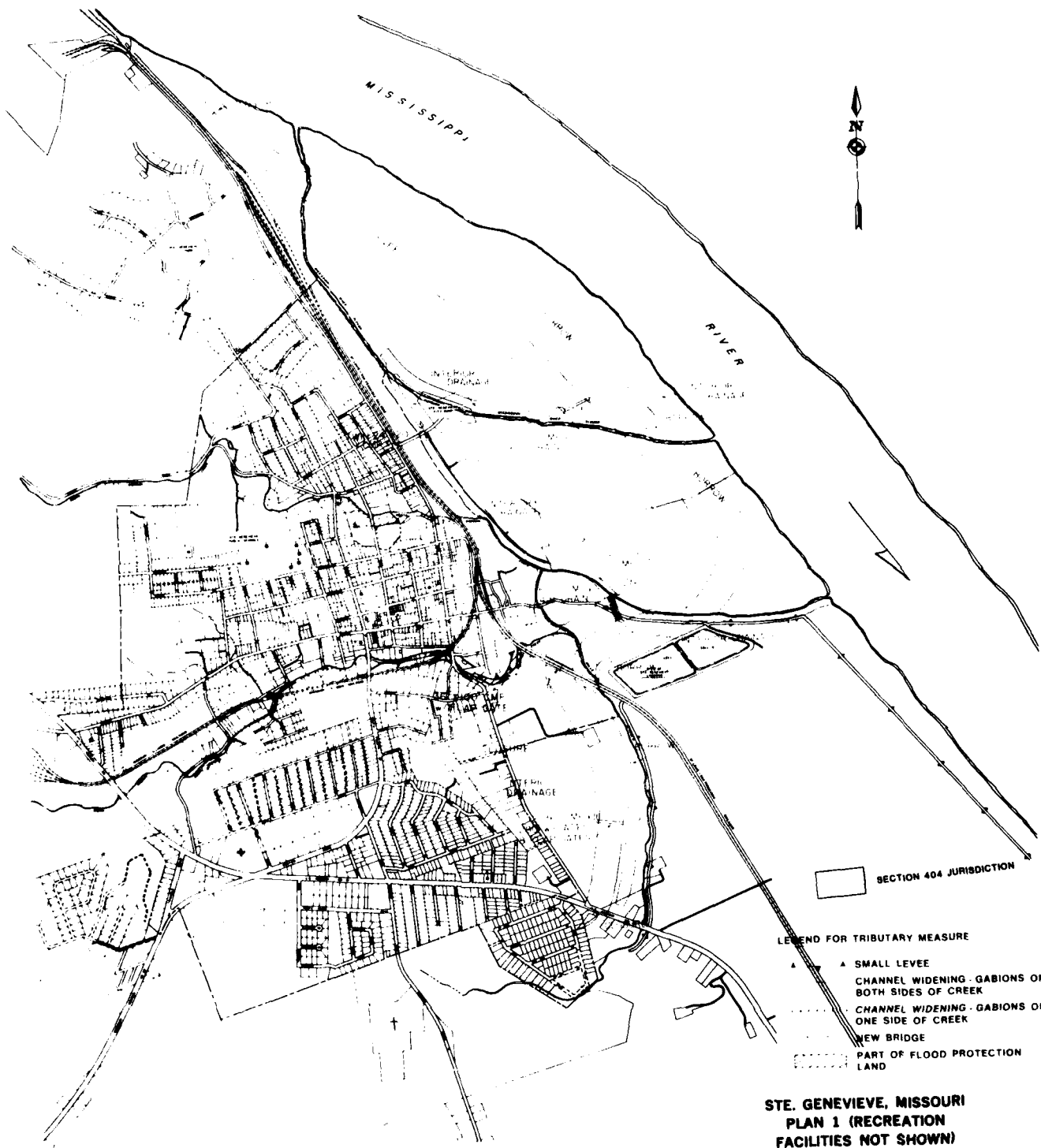
ELEVATION (FT. NGVD)

FUTURE WITH
PROTECTION IN PLACE
(MEASURE B)

EXISTING CONDITION

STE. GENEVIEVE, MISSOURI
STAGE - FREQUENCY RELATIONSHIP
MISSISSIPPI RIVER AT
LITTLE ROCK LANDING (RM 125.5)
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS
CORPS OF ENGINEERS
ST. LOUIS, MO.





STE. GENEVIEVE, MISSOURI
PLAN 1 (RECREATION
FACILITIES NOT SHOWN)

400 0 800 1600
SCALE IN FEET

DATE
FILMED
-8